

WEST Search History

DATE: Thursday, October 21, 2004

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		<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L12	ephrin-B3	14
<input type="checkbox"/>	L11	L10 AND angiogenesis	19
<input type="checkbox"/>	L10	AL-2 OR EFL-6 OR ephrin-B3	673
<input type="checkbox"/>	L9	L6 AND ephrin-B3	0
<input type="checkbox"/>	L8	L6 AND EFL-6	0
<input type="checkbox"/>	L7	L6 AND AL-2	0
<input type="checkbox"/>	L6	514/2.CCLS.	6340
<input type="checkbox"/>	L5	Caras.IN.	179
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<input type="checkbox"/>	L3	Caras-I.IN.	1
<input type="checkbox"/>	L2	Caras-Ingrid.IN.	2
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Search Results - Record(s) 1 through 16 of 16 returned.

☐ 1. Document ID: US 20030049722 A1

Using default format because multiple data bases are involved.

L1: Entry 1 of 16

File: PGPB

Mar 13, 2003

PGPUB-DOCUMENT-NUMBER: 20030049722

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030049722 A1

TITLE: Novel methods of diagnosing macrophage development related disorders, compositions, and methods of screening for macrophage development modulators

PUBLICATION-DATE: March 13, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Murray, Richard	Cupertino	CA	US	
<u>Caras, Ingrid W.</u>	San Francisco	CA	US	
Hevezi, Peter	San Francisco	CA	US	
Wilson, Keith	Redwood City	CA	US	

US-CL-CURRENT: 435/69.1; 435/226, 435/320.1, 435/372, 435/7.21, 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	IMC	Draws Des.
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☐ 2. Document ID: US 20020142444 A1

L1: Entry 2 of 16

File: PGPB

Oct 3, 2002

PGPUB-DOCUMENT-NUMBER: 20020142444

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020142444 A1

TITLE: AL-2 neurotrophic factor

PUBLICATION-DATE: October 3, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
<u>Caras, Ingrid W.</u>	San Francisco	CA	US	

US-CL-CURRENT: 435/226; 435/320.1, 435/325, 435/69.1, 536/23.2

ABSTRACT:

The present invention provides nucleic acids encoding AL-2 protein, as well as AL-2

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protein produced by recombinant DNA methods. Such AL-2 protein and nucleic acid are useful in preparing antibodies and antagonists and in diagnosing and treating various neuronal disorders and disorders or conditions associated with angiogenesis.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw Des
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☐ 3. Document ID: US 6696557 B1

L1: Entry 3 of 16

File: USPT

Feb 24, 2004

US-PAT-NO: 6696557

DOCUMENT-IDENTIFIER: US 6696557 B1

TITLE: AL-2 neurotrophic factor nucleic acid

DATE-ISSUED: February 24, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
<u>Caras; Ingrid W.</u>	San Francisco	CA		

US-CL-CURRENT: 536/23.4; 435/69.7

ABSTRACT:

The present invention provides nucleic acids encoding AL-2 protein, host cells and vectors containing these nucleic acids, and methods for their use to produce AL-2 protein by recombinant DNA methods.

2 Claims, 8 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 15

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KIMC	Draw Des
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☐ 4. Document ID: US 6632634 B1

L1: Entry 4 of 16

File: USPT

Oct 14, 2003

US-PAT-NO: 6632634

DOCUMENT-IDENTIFIER: US 6632634 B1

TITLE: Decay accelerating factor (DAF) and nucleic acid encoding it

DATE-ISSUED: October 14, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
<u>Caras; Ingrid W.</u>	San Francisco	CA		
Davitz; Michael A.	Bronx	NY		
Nussenzweig; Victor	New York	NY		
Martin, Jr.; David W.	San Francisco	CA		

US-CL-CURRENT: 435/69.1; 435/252.3, 435/320.1, 435/325, 435/69.7, 536/23.5

ABSTRACT:

Novel fusions of a GPI signal domain and a polypeptide heterologous to the GPI signal domain donor polypeptide are provided for industrial use. Therapeutic administration of the GPI-linked product of the fusions enables the targeting of biological activity to cell membrane surfaces.

22 Claims, 19 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 17

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMOC	Draw Des
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☐ 5. Document ID: US 6610296 B2

L1: Entry 5 of 16

File: USPT

Aug 26, 2003

US-PAT-NO: 6610296

DOCUMENT-IDENTIFIER: US 6610296 B2

TITLE: Methods of enhancing cognitive function using an AL-1 neurotrophic factor immunoadhesin

DATE-ISSUED: August 26, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
<u>Caras; Ingrid W.</u>	San Francisco	CA		
Winslow; John W.	El Granada	CA		

US-CL-CURRENT: 424/178.1; 514/12, 514/2, 530/350, 530/399

ABSTRACT:

The present invention provides methods of enhancing cognitive function in mammals by administering intracerebrally a homo-multimeric immunoadhesin molecule that contains the extracellular domain of AL-1, also known as ephrin-A5.

4 Claims, 7 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 7

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMOC	Draw Des
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☐ 6. Document ID: US 6280732 B1

L1: Entry 6 of 16

File: USPT

Aug 28, 2001

US-PAT-NO: 6280732

DOCUMENT-IDENTIFIER: US 6280732 B1

TITLE: Methods of using an AL-1 neurotrophic factor immunoadhesin

h e b b g e e e f e b e f b e

DATE-ISSUED: August 28, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
<u>Caras; Ingrid W.</u>	San Francisco	CA		
Winslow; John W.	El Granada	CA		

US-CL-CURRENT: 424/178.1; 514/12, 514/2, 530/350, 530/399

ABSTRACT:

The present invention provides nucleic acids encoding AL-1 protein, as well as AL-1 protein produced by recombinant DNA methods. Such AL-1 protein is useful in preparing antibodies and in diagnosing and treating various neuronal disorders.

5 Claims, 7 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 7

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMIC	Draw. Des.
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7. Document ID: US 5798448 A

L1: Entry 7 of 16

File: USPT

Aug 25, 1998

US-PAT-NO: 5798448

DOCUMENT-IDENTIFIER: US 5798448 A

TITLE: AL-1 neurotrophic factor antibodies

DATE-ISSUED: August 25, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
<u>Caras; Ingrid W.</u>	San Francisco	CA		
Winslow; John W.	El Granada	CA		

US-CL-CURRENT: 530/387.1; 424/130.1, 424/132.1, 424/133.1, 424/134.1, 424/135.1, 424/136.1, 424/9.34, 435/7.1, 435/7.2, 435/7.9, 436/512, 436/514, 436/517, 436/518, 436/536, 436/538, 436/547, 436/548, 530/300, 530/350, 530/387.3, 530/387.9, 530/388.1, 530/388.15, 530/388.24, 530/389.1

ABSTRACT:

The present invention provides nucleic acids encoding AL-1 protein, as well as AL-1 protein produced by recombinant DNA methods. Such AL-1 protein is useful in preparing antibodies and in diagnosing and treating various neuronal disorders.

9 Claims, 5 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 5

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMIC	Draw. Des.
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☐ 8. Document ID: US 5763224 A

L1: Entry 8 of 16

File: USPT

Jun 9, 1998

US-PAT-NO: 5763224

DOCUMENT-IDENTIFIER: US 5763224 A

**** See image for Certificate of Correction ****

TITLE: Decay accelerating factor (DAF) and nucleic acids encoding it

DATE-ISSUED: June 9, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
<u>Caras; Ingrid W.</u>	San Francisco	CA		
Davitz; Michael A.	Bronx	NY		
Nussenzweig; Victor	New York	NY		
Martin, Jr.; David W.	San Francisco	CA		

US-CL-CURRENT: 435/69.6; 435/252.3, 435/320.1, 435/325, 435/455, 435/488, 435/69.7,
530/350, 530/829, 536/23.5

ABSTRACT:

This application relates to nucleic acids encoding decay accelerating factor (hereinafter abbreviated as DAF), as well as vectors and cells which comprise such nucleic acids. Additionally, nucleic acids which encode variants of DAF, such as insertion, deletion or substitution variants, are described. This application also relates to the preparation of DAF in recombinant cell culture. In particular, it is concerned with the large scale manufacture of DAF suitable for pharmaceutical or diagnostic use.

33 Claims, 19 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 17

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KDDC	Drawing Des.
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☐ 9. Document ID: US 5759775 A

L1: Entry 9 of 16

File: USPT

Jun 2, 1998

US-PAT-NO: 5759775

DOCUMENT-IDENTIFIER: US 5759775 A

TITLE: Methods for detecting nucleic acids encoding AL--1 neurotrophic factor

DATE-ISSUED: June 2, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
<u>Caras; Ingrid W.</u>	San Francisco	CA		
Winslow; John W.	El Granada	CA		

US-CL-CURRENT: 435/6; 435/91.2, 536/23.5, 536/24.31, 536/24.33

ABSTRACT:

Provided are nucleic acids encoding AL-1 protein, as well as AL-1 protein produced by recombinant DNA methods. Such AL-1 protein is useful in preparing antibodies and in diagnosing and treating various neuronal disorders. The present invention provides methods to preferentially detect or amplify AL-1 nucleic acid in a sample using AL-1 nucleotide sequence probes.

18 Claims, 7 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 7

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KBAC	Drawing Des
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☐ 10. Document ID: US 5374548 A

L1: Entry 10 of 16

File: USPT

Dec 20, 1994

US-PAT-NO: 5374548

DOCUMENT-IDENTIFIER: US 5374548 A

**** See image for Certificate of Correction ****

TITLE: Methods and compositions for the attachment of proteins to liposomes using a glycopospholipid anchor

DATE-ISSUED: December 20, 1994

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
<u>Caras; Ingrid W.</u>	San Francisco	CA		

US-CL-CURRENT: 424/450; 435/69.7, 436/829

ABSTRACT:

Novel fusions of a GPI signal domain and a polypeptide heterologous to the GPI signal domain donor polypeptide are provided for industrial use. Therapeutic administration of the GPI-linked product of the fusions enables the targeting of biological activity to cell membrane surfaces.

18 Claims, 19 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 19

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KBAC	Drawing Des
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☐ 11. Document ID: US 5264357 A

L1: Entry 11 of 16

File: USPT

Nov 23, 1993

US-PAT-NO: 5264357

DOCUMENT-IDENTIFIER: US 5264357 A

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TITLE: Nucleic acids vectors and cells for the synthesis of membrane anchor fusion polypeptides

DATE-ISSUED: November 23, 1993

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
<u>Caras; Ingrid W.</u>	San Francisco	CA		
Davitz; Michael A.	Riverdale	NY		
Nussenzweig; Victor	New York	NY		
Martin, Jr.; David W.	San Francisco	CA		

US-CL-CURRENT: 435/252.33; 435/252.3, 435/320.1, 435/69.7, 536/23.4

ABSTRACT:

Novel fusions of a phospholipid anchor domain and a polypeptide heterologous to the anchor domain donor polypeptide are provided for industrial use. Therapeutic administration of the fusions enables the targeting of biological activity to cell membrane surfaces.

4 Claims, 14 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 14

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KIMC	Draw Desc
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☐ 12. Document ID: US 5109113 A

L1: Entry 12 of 16

File: USPT

Apr 28, 1992

US-PAT-NO: 5109113

DOCUMENT-IDENTIFIER: US 5109113 A

TITLE: Membrane anchor fusion polypeptides

DATE-ISSUED: April 28, 1992

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
<u>Caras; Ingrid W.</u>	San Francisco	CA		
Davitz; Michael A.	Riverdale	NY		
Nussenzweig; Victor	New York	NY		
Martin, Jr.; David W.	San Francisco	CA		

US-CL-CURRENT: 530/350; 435/69.7, 530/359, 530/405, 530/409, 530/806, 530/807, 530/808

ABSTRACT:

Novel fusions of a phospholipid anchor domain and a polypeptide heterologous to the anchor domain donor polypeptide are provided for industrial use. Therapeutic administration of the fusions enables the targeting of biological activity to cell membrane surfaces.

10 Claims, 14 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 14

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	Knowl	Drawing Des
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☐ 13. Document ID: JP 08242882 A

L1: Entry 13 of 16

File: JPAB

Sep 24, 1996

PUB-NO: JP408242882A
DOCUMENT-IDENTIFIER: JP 08242882 A
TITLE: NOVEL DAF AND ITS PRODUCTION

PUBN-DATE: September 24, 1996

INVENTOR-INFORMATION:

NAME

COUNTRY

CARAS, INGRID W

INT-CL (IPC): C12 P 21/02; C07 K 14/47; C12 N 5/10; C12 N 15/09

ABSTRACT:

PROBLEM TO BE SOLVED: To provide a novel decay accelerating factor(DAF) that accelerates the decaying dissociation of C2 or the like from the C3 converting enzyme in the complement cascade that has a specific amino acid sequence and dissolves the antigen cells as the target of humoral immunity reaction and is useful for treatment and diagnosis of inflammatory diseases, autoimmune diseases and the like.

SOLUTION: This novel decay accelerating factor(DAF) has an amino acid sequence including the amino acid sequence represented by the formula and comprises the mDAF not accompanied by the natural glycosylation comprises the complement cascade dissolving the antigen cells as the target of the humoral immunity reaction.

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Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	Knowl	Drawing Des
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☐ 14. Document ID: WO 9740153 A1

L1: Entry 14 of 16

File: EPAB

Oct 30, 1997

PUB-NO: WO009740153A1
DOCUMENT-IDENTIFIER: WO 9740153 A1
TITLE: AL-2 NEUROTROPHIC FACTOR

PUBN-DATE: October 30, 1997

INVENTOR-INFORMATION:

NAME

COUNTRY

CARAS, INGRID W

INT-CL (IPC): C12 N 15/12; C07 K 14/475; C12 N 15/62; A61 K 38/18; C07 K 16/22; C07 K 19/00; C12 Q 1/68; G01 N 33/50; C12 N 5/10

h e b b g e e f e b e f b e

EUR-CL (EPC): C07K014/475

ABSTRACT:

CHG DATE=19990617 STATUS=O>The present invention provides nucleic acids encoding AL-2 protein, as well as AL-2 protein produced by recombinant DNA methods. Such AL-2 protein and nucleic acid are useful in preparing antibodies and antagonists and in diagnosing and treating various neuronal disorders and disorders or conditions associated with angiogenesis.

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw Des
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☐ 15. Document ID: WO 9613518 A1

L1: Entry 15 of 16

File: EPAB

May 9, 1996

PUB-NO: WO009613518A1

DOCUMENT-IDENTIFIER: WO 9613518 A1

TITLE: AL-1 NEUROTROPHIC FACTOR, A LIGAND FOR AN EPH-RELATED TYROSINE KINASE RECEPTOR

PUBN-DATE: May 9, 1996

INVENTOR-INFORMATION:

NAME

COUNTRY

CARAS, INGRID W

US

WINSLOW, JOHN W

US

INT-CL (IPC): C07 K 14/47; C12 N 15/12; C07 K 16/18; C07 K 19/00; C12 N 5/10; C12 Q 1/68; A61 K 38/12

EUR-CL (EPC): C07K016/22; C12N009/12, C07K014/52

ABSTRACT:

CHG DATE=19990617 STATUS=O>The present invention provides nucleic acids encoding AL-1 protein, as well as AL-1 protein produced by recombinant DNA methods. Such AL-1 protein is useful in preparing antibodies and antagonists and in diagnosing and treating various neuronal disorders and disorders or conditions associated with angiogenesis.

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw Des
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☐ 16. Document ID: WO 8901041 A1

L1: Entry 16 of 16

File: EPAB

Feb 9, 1989

PUB-NO: WO008901041A1

DOCUMENT-IDENTIFIER: WO 8901041 A1

TITLE: NUCLEIC ACID AND METHODS FOR THE SYNTHESIS OF NOVEL FUSION POLYPEPTIDES WITH A PHOSPHOLIPID ANCHOR DOMAIN

PUBN-DATE: February 9, 1989

INVENTOR-INFORMATION:

h e b b g e e e f e b e f b e

NAME

CARAS, INGRID W

COUNTRY

US

US-CL-CURRENT: 435/183; 435/320.1, 435/FOR.195, 530/387.3, 536/23.4

INT-CL (IPC): C12N 15/00

EUR-CL (EPC): G01N033/68; C07K014/705, C07K014/035

ABSTRACT:

CHG DATE=19990617 STATUS=O>Novel fusions of a phospholipid anchor domain and a polypeptide heterologous to the anchor domain donor polypeptide are provided for industrial use. Therapeutic administration of the fusions enables the targeting of biological activity to cell membrane surfaces.

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	Intl	Draw. Des.
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☐ 1. Document ID: US 20040096392 A1

Using default format because multiple data bases are involved.

L2: Entry 1 of 2

File: PGPB

May 20, 2004

PGPUB-DOCUMENT-NUMBER: 20040096392

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040096392 A1

TITLE: Antibodies against cancer antigen TMEFF2 and uses thereof

PUBLICATION-DATE: May 20, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Bhaskar, Vinay	San Francisco	CA	US	
de la Calle, Agustin	Planegg	CA	DE	
Law, Debbie	San Francisco	CA	US	
<u>Caras, Ingrid</u>	San Francisco	CA	US	
Ramakrishnan, Vanitha	Belmont	CA	US	
Murray, Richard	Cupertino	CA	US	
Afar, Daniel	Fremont	CA	US	
Powers, David	Fairfax		US	

US-CL-CURRENT: 424/1.11; 424/141.1, 424/178.1, 424/9.6, 530/388.8, 530/391.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KNOC	Draw. Desc
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☐ 2. Document ID: WO 3075855 A2

L2: Entry 2 of 2

File: EPAB

Sep 18, 2003

PUB-NO: WO003075855A2

DOCUMENT-IDENTIFIER: WO 3075855 A2

TITLE: ANTIBODIES AGAINST CANCER ANTIGEN TMEFF2 AND USES THEREOF

PUBN-DATE: September 18, 2003

INVENTOR-INFORMATION:

NAME	COUNTRY
BHASKAR, VINAY	US
DE, LA CALLE AGUSTIN	DE
LAW, DEBBIE	US
CARAS, INGRID	US
RAMAKRISHNAN, VANITHA	US

h e b b g e e e f e b e f b e

MURRAY, RICHARDUS

AFAR, DANIELUS

POWERS, DAVIDUS

INT-CL (IPC): A61 K 0/
EUR-CL (EPC): C07K016/30

ABSTRACT:

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	Publ.	Draw. Des.
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Search Results - Record(s) 1 through 1 of 1 returned.

☐ 1. Document ID: US 20040096392 A1, WO 2003075855 A2, AU 2003252830 A1

Using default format because multiple data bases are involved.

L3: Entry 1 of 1

File: DWPI

May 20, 2004

DERWENT-ACC-NO: 2003-756783

DERWENT-WEEK: 200434

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TITLE: New antibody that competitively inhibits binding of TMEFF219 to TMEFF2, useful for treating prostate cancer, e.g. primary, metastatic, locally advanced, or androgen independent prostate cancer

INVENTOR: AFAR, D; BHASKAR, V ; CARAS, I ; DE LA CALLE, A ; LAW, D ; MURRAY, R ; POWERS, D ; RAMAKRISHNAN, V

PRIORITY-DATA: 2002US-436812P (December 27, 2002), 2002US-362837P (March 8, 2002), 2003US-0383447 (March 7, 2003)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<u>US 20040096392 A1</u>	May 20, 2004		000	A61K051/00
<u>WO 2003075855 A2</u>	September 18, 2003	E	031	A61K000/00
<u>AU 2003252830 A1</u>	September 22, 2003		000	A61K000/00

INT-CL (IPC): A61 K 0/00; A61 K 39/395; A61 K 49/00; A61 K 51/00

Full	Title	Citation	Front	Review	Classification	Date	Reference		Claims	KWIC	Draw Des
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Search Results - Record(s) 1 through 8 of 8 returned.

☐ 1. Document ID: US 6632634 B1

Using default format because multiple data bases are involved.

L4: Entry 1 of 8

File: DWPI

Oct 14, 2003

DERWENT-ACC-NO: 2003-810556

DERWENT-WEEK: 200376

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TITLE: New nucleic acid comprising a sequence encoding a decay accelerating factor (DAF), useful for preparing a composition for treating inflammatory conditions, e.g., colitis, rheumatoid arthritis or allograft rejection

INVENTOR: CARAS, I W ; DAVITZ, M A ; MARTIN, D W ; NUSSENZWEIG, V

PRIORITY-DATA: 1993US-0017934 (February 12, 1993), 1985US-0738171 (May 24, 1985), 1986US-0859107 (May 1, 1986), 1987US-0083757 (August 6, 1987), 1991US-0811048 (December 19, 1991), 1994US-0358283 (December 19, 1994), 1998US-0014240 (January 27, 1998)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US 6632634 B1	October 14, 2003		035	C07H021/04

INT-CL (IPC): C07 H 21/04

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	Info	Draw Desc

☐ 2. Document ID: US 20030049722 A1

L4: Entry 2 of 8

File: DWPI

Mar 13, 2003

DERWENT-ACC-NO: 2003-512353

DERWENT-WEEK: 200417

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TITLE: Diagnosing destructive macrophage disorder (DMD) such as arthritis, aneurysms or atherosclerosis, or determining prognosis of individual with DMD, by determining expression or level of matrix metalloproteinase-19

INVENTOR: CARAS, I W ; HEVEZI, P ; MURRAY, R ; WILSON, K

PRIORITY-DATA: 2000US-0525978 (March 15, 2000), 1999US-124530P (March 15, 1999)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US 20030049722 A1	March 13, 2003		061	G01N033/53

INT-CL (IPC): C07 H 21/04; C12 N 5/08; C12 N 9/64; C12 P 21/02; G01 N 33/53; G01 N 33/567

ABSTRACTED-PUB-NO: US20030049722A
BASIC-ABSTRACT:

NOVELTY - Diagnosing (M1) destructive macrophage disorder (DMD) or determining (M2) prognosis of individual with DMD, by determining expression or level of matrix metalloproteinase (MMP)-19. (M1) involves comparing expression of gene encoding MMP-19 in a first tissue type of first individual, with expression of gene from second normal tissue from (I). (M2) involves determining level of MMP-19 in sample, where high level of MMP-19 indicates poor prognosis.

DETAILED DESCRIPTION - Diagnosing (M1) destructive macrophage disorder (DMD) or determining (M2) the prognosis of an individual with DMD, by determining the expression or level of MMP-19. (M1) involves determining expression of gene encoding or its fragment in a first tissue type of first individual (I), and comparing expression of the gene from second normal tissue from (I) or a second unaffected individual, where a difference in expression indicates that (I) has DMD. (M2) involves determining the level of MMP-19 in a sample, where a high level of MMP-19 indicates a poor prognosis.

INDEPENDENT CLAIMS are also included for the following:

(1) screening (M3) drug candidates, involves providing a cell that expresses an expression profile gene which encodes a protein encoded by any one of 5 expression profile genes which are nucleic acids differentially expressed in the development path of destructive macrophages (DMs), referred as DM sequences, and the sequence represented by accession number X92521, X62466, J04130, X62078 and X76534, or its fragment; adding a drug candidate to the cell, and determining the effect of the drug candidate on the expression of the expression profile gene;

(2) screening (M4) for a bioactive agent capable of binding to a destructive macrophage (DM) modulator protein or a bioactive agent capable of modulating the activity of a DM modulator protein, where the DM modulator protein is MMP-19 or its fragment, involves combining the DM modulator protein and a candidate bioactive agent, and determining the binding of the candidate agent to the DM modulator protein or determining the effect of the candidate agent on the bioactive of the DM modulator protein; evaluating (M5) the effect of a candidate DM drug, involves administering the drug to a patient, removing a cell sample from the patient, and determining the expression profile of the cell;

(3) a biochip comprising a nucleic acid segment encoding MMP-19, or its fragment, where the biochip comprises fewer than 1000 nucleic acid probes;

(4) an antibody (II) which specifically binds to MMP- 19, or its fragment;

(5) screening for a bioactive agent capable of interfering with the binding of a DM modulator protein or its fragment and an antibody which binds to the DM modulator protein or its fragment, involves combining DM modulator protein or its fragment, a candidate bioactive agent and an antibody which binds to DM modulator protein or its fragment, and determining the binding of DM modulator protein or its fragment and the antibody;

(6) inhibiting (M6) DMD, by administering to a cell a composition comprising (II);

(7) inhibiting (M7) DMD in a cell by administering to a cell, a composition comprising antisense molecules to MMP- 19;

(8) eliciting (M8) an immune response in an individual, by administering to the individual a composition comprising MMP-19 or its fragment, and optionally a carrier;

(9) a composition (III) capable of eliciting an immune response in an individual,

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comprises nucleic acid encoding MMP-19 or its fragment and a carrier;

(10) neutralizing the effect of a MMP-19 or its fragment by contacting an agent specific for the protein;

(11) localizing (M9) a therapeutic moiety to colorectal cancer tissue by exposing the tissue to (II) conjugated to the therapeutic moiety; and

(12) treating (M10) DMD by administering to the individual having DMD (II) conjugated to a therapeutic moiety.

ACTIVITY - Antiarthritic; Antiinflammatory; Antiatherosclerotic. No biological data is given.

MECHANISM OF ACTION - MMP-19-Inhibitor . No supporting data is given.

USE - (II) is useful for treating an individual for DMD by inhibiting MMP-19. (III) is useful for eliciting an immune response in an individual. (M6) is useful for inhibiting DMD in a cell of an individual having arthritis. (M8) is useful for eliciting an immune response in an individual. (M10) is useful for treating DMD (claimed). (II) is useful for treating a DMD such as arthritis, inflammatory bowel disease, chronic obstructive pulmonary disorder and vascular disease, including atherosclerosis and aneurysms. (II) is useful for inhibiting macrophage cell division, and for inhibiting macrophage development.

Full	Title	Citation
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Hit List

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Generate OACS

Search Results - Record(s) 1 through 19 of 19 returned.

☐ 1. Document ID: US 20040180823 A1

Using default format because multiple data bases are involved.

L11: Entry 1 of 19

File: PGPB

Sep 16, 2004

PGPUB-DOCUMENT-NUMBER: 20040180823

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040180823 A1

TITLE: Novel agents that modulate Eph receptor activity

PUBLICATION-DATE: September 16, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Pasquale, Elena B.	San Diego	CA	US	
Koolpe, Mitchell	San Diego	CA	US	
Murai, Keith K.	Candiac		CA	

US-CL-CURRENT: [514/12](#); [530/350](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Des
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☐ 2. Document ID: US 20040136983 A1

L11: Entry 2 of 19

File: PGPB

Jul 15, 2004

PGPUB-DOCUMENT-NUMBER: 20040136983

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040136983 A1

TITLE: Methods for inhibiting angiogenesis by EphB receptor antagonists

PUBLICATION-DATE: July 15, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Aguet, Michel	Lutry		CH	

US-CL-CURRENT: [424/143.1](#)

ABSTRACT:

The present application describes methods of inhibiting or stimulating angiogenesis in a mammal comprising administering to the mammal an effective amount of an Eph receptor antagonist or agonist, respectively. Articles of manufacture for use in

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relation to these methods are also described.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Des
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☐ 3. Document ID: US 20040132634 A1

L11: Entry 3 of 19

File: PGPB

Jul 8, 2004

PGPUB-DOCUMENT-NUMBER: 20040132634

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040132634 A1

TITLE: Compositions and methods for regulating the kinase domain of receptor tyrosine kinases

PUBLICATION-DATE: July 8, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Sicheri, Frank	Toronto		CA	
Wybenga-Groot, Leanne	Etobicoke		CA	
Pawson, Tony	Toronto		CA	

US-CL-CURRENT: 514/1; 435/194, 702/19

ABSTRACT:

The present invention relates to binding pockets of receptor tyrosine kinases (RTKs). The binding pockets may regulate the kinase domain of the receptor tyrosine kinases. In particular, the invention relates to a crystal comprising a binding pocket of a receptor tyrosine kinase that regulates the kinase domain of the receptor tyrosine kinase EphB2. The crystal may be useful for modeling and/or synthesizing mimetics of a binding pocket or ligands that associate with the binding pocket. Such mimetics or ligands may be capable of acting as modulators of receptor tyrosine kinase receptor activity, and they may be useful for treating, inhibiting, or preventing diseases modulated by such receptors. Methods are also provided for regulating the kinase domain of an RTK by changing a binding pocket of the RTK that regulates the kinase domain from an autoinhibited state to an active state or from an active state to an autoinhibited state.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Des
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☐ 4. Document ID: US 20040126793 A1

L11: Entry 4 of 19

File: PGPB

Jul 1, 2004

PGPUB-DOCUMENT-NUMBER: 20040126793

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040126793 A1

TITLE: Lectin compositions and methods for modulating an immune response to an antigen

PUBLICATION-DATE: July 1, 2004

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INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Segal, Andrew H.	Boston	MA	US	
Young, Elihu	Sharon	MA	US	

US-CL-CURRENT: 435/6; 435/320.1, 435/325, 435/419, 435/69.1, 530/370, 530/395,
536/23.5

ABSTRACT:

The present invention provides a fusion polypeptide which can bind to a cell surface binding moiety (e.g., a carbohydrate) and serve as a ligand for a cell surface polypeptide, as well as a vector comprising a nucleic acid encoding for such a fusion polypeptide, and a host cell comprising such nucleic acid. The present invention also provides a composition comprising an antigen bearing target and such a fusion polypeptide, as well as a composition comprising a virus or a cell and such a fusion polypeptide. The present invention further relates to a method of modulating an immune response in an animal using such compositions.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. Des.
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☐ 5. Document ID: US 20040076955 A1

L11: Entry 5 of 19

File: PGPB

Apr 22, 2004

PGPUB-DOCUMENT-NUMBER: 20040076955

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040076955 A1

TITLE: Methods of diagnosis of bladder cancer, compositions and methods of screening for modulators of bladder cancer

PUBLICATION-DATE: April 22, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Mack, David H.	Menlo Park	CA	US	
Aziz, Natasha	Palo Alto	CA	US	

US-CL-CURRENT: 435/6; 435/320.1, 435/325, 435/69.1, 530/350, 536/23.5

ABSTRACT:

Described herein are genes whose expression are up-regulated or down-regulated in bladder cancer. Also described are such genes whose expression is further up-regulated or down-regulated in drug-resistant bladder cancer cells. Related methods and compositions that can be used for diagnosis, prognosis, or treatment of bladder cancer are disclosed. Also described herein are methods that can be used to identify modulators of bladder cancer.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. Des.
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☐ 6. Document ID: US 20040002067 A1

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L11: Entry 6 of 19

File: PGPB

Jan 1, 2004

PGPUB-DOCUMENT-NUMBER: 20040002067
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040002067 A1

TITLE: Breast cancer progression signatures

PUBLICATION-DATE: January 1, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Erlander, Mark G.	Encinitas	CA	US	
Ma, Xia-Jun	San Diego	CA	US	
Sgroi, Dennis C.	Winchester	MA	US	

US-CL-CURRENT: 435/6; 435/287.2, 702/20

ABSTRACT:

Methods and compositions for the identification of breast cancer progression signatures are provided. The signature profiles are identified based upon multiple sampling of reference breast tissue samples from independent cases of breast cancer and provide a reliable set of molecular criteria for identification of cells as being in one or more particular stages of breast cancer.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	FIG	Draw	Des
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☐ 7. Document ID: US 20030157712 A1

L11: Entry 7 of 19

File: PGPB

Aug 21, 2003

PGPUB-DOCUMENT-NUMBER: 20030157712
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030157712 A1

TITLE: Methods for determining cell responses through EphB receptors

PUBLICATION-DATE: August 21, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Daniel, Thomas O.	Nashville	TN	US	
Stein, Elke	San Francisco	CA	US	

US-CL-CURRENT: 435/366; 435/368

ABSTRACT:

The present invention provides a method for initiating, promoting and/or directing cell attachment to a matrix or to another cell, comprising contacting an EphB receptor-expressing cell with a tetrameric EphB receptor-binding ligand, whereby binding of the tetrameric ligand promotes multimerization of the EphB receptor, thereby initiating, promoting and directing cell attachment to a matrix or to another cell. Also provided is a method for promoting angiogenesis, comprising contacting

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EphB receptor-expressing cells which are associated with angiogenesis with a multimeric EphB receptor-binding ligand, whereby binding of the tetrameric ligand promotes multimerization of the EphB receptor, thereby promoting angiogenesis.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	Knowl	Draw. Des.
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8. Document ID: US 20030154032 A1

L11: Entry 8 of 19

File: PGPB

Aug 14, 2003

PGPUB-DOCUMENT-NUMBER: 20030154032
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030154032 A1

TITLE: Methods and compositions for diagnosing and treating rheumatoid arthritis

PUBLICATION-DATE: August 14, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Pittman, Debra D.	Windham	NH	US	
Feldman, Jeffrey L.	Arlington	MA	US	
Shields, Kathleen M.	Harvard	MA	US	
Trepicchio, William L.	Andover	MA	US	

US-CL-CURRENT: 702/20

ABSTRACT:

The invention provides methods and compositions for diagnostic assays for detecting R.A. and therapeutic methods and compositions for treating R.A. The invention also provides methods for designing, identifying, and optimizing therapeutics for R.A. Diagnostic compositions of the invention include compositions comprising detection agents for detecting one or more genes that have been shown to be up- or down-regulated in cells of R.A. relative to normal counterpart cells. Exemplary detection agents include nucleic acid probes, which can be in solution or attached to a solid surface, e.g., in the form of a microarray. The invention also provides computer-readable media comprising values of levels of expression of one or more genes that are up- or down-regulated in R.A.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	Knowl	Draw. Des.
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9. Document ID: US 20030082511 A1

L11: Entry 9 of 19

File: PGPB

May 1, 2003

PGPUB-DOCUMENT-NUMBER: 20030082511
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030082511 A1

TITLE: Identification of modulatory molecules using inducible promoters

PUBLICATION-DATE: May 1, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Brown, Steven J.	San Diego	CA	US	
Dunnington, Damien J.	San Diego	CA	US	
Clark, Imran	San Diego	CA	US	

US-CL-CURRENT: 435/4; 435/6

ABSTRACT:

Methods for identifying an ion channel modulator, a target membrane receptor modulator molecule, and other modulatory molecules are disclosed, as well as cells and vectors for use in those methods. A polynucleotide encoding target is provided in a cell under control of an inducible promoter, and candidate modulatory molecules are contacted with the cell after induction of the promoter to ascertain whether a change in a measurable physiological parameter occurs as a result of the candidate modulatory molecule.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc
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☐ 10. Document ID: US 20030022202 A1

L11: Entry 10 of 19

File: PGPB

Jan 30, 2003

PGPUB-DOCUMENT-NUMBER: 20030022202

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030022202 A1

TITLE: B-ephrin regulation of G-protein coupled chemoattraction, compositions, and methods of use

PUBLICATION-DATE: January 30, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Flanagan, John G.	Newton	MA	US	
Lu, Qiang	Brookline	MA	US	
Sun, Edna E.	Brookline	MA	US	

US-CL-CURRENT: 435/6; 435/196, 435/254.2, 435/320.1, 435/368, 435/69.1, 536/23.2

ABSTRACT:

Transmembrane B ephrins and their Eph receptors signal bi-directionally. The presently claimed invention describes a cytoplasmic protein, designated PDZ-RGS3, which binds B ephrins through a PDZ domain, and has a regulator of heterotrimeric G protein signaling (RGS) domain. PDZ-RGS3 mediates signaling from the ephrin-B cytoplasmic tail. SDF-1, a chemokine with a G protein coupled receptor, or BDNF, act as chemoattractants for cerebellar granule cells, with SDF-1 action being selectively inhibited by soluble EphB receptor. The claimed invention reveals a pathway that links reverse signaling to cellular guidance, uncovers a novel mode of control for G proteins, and demonstrates a mechanism for selective regulation of responsiveness to neuronal guidance cues. Further, compositions and methods of use are provided for modulating cell migration as a function of chemokines and GPCR interaction, to aid in the treatment of disease states and medical conditions, including cancer and immune responses such as allergy and autoimmune responses. In one embodiment, a method of

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altering the sensitivity of a cell to a chemokine is provided using a PDZ-RGS3 protein.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw Des
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☐ 11. Document ID: US 20020147306 A1

L11: Entry 11 of 19

File: PGPB

Oct 10, 2002

PGPUB-DOCUMENT-NUMBER: 20020147306

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020147306 A1

TITLE: Peptides that modulate the interaction of B class ephrins and PDZ domains

PUBLICATION-DATE: October 10, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Lin, Danny	Scarborough		CA	
Pawson, Anthony	Toronto		CA	
Gish, Gerald	East York		CA	

US-CL-CURRENT: 530/350; 530/324

ABSTRACT:

The invention relates to complexes comprising a B class ephrin and a PDZ domain containing protein; peptides that interfere with the interaction of a B class ephrin with a PDZ domain binding site, and a PDZ domain containing protein; and, uses of the peptides and complexes. Methods for modulating the interaction of a B class ephrin and a PDZ domain containing protein, and methods for evaluating compounds for their ability to modulate the interaction are also described.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw Des
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☐ 12. Document ID: US 20020142444 A1

L11: Entry 12 of 19

File: PGPB

Oct 3, 2002

PGPUB-DOCUMENT-NUMBER: 20020142444

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020142444 A1

TITLE: AL-2 neurotrophic factor

PUBLICATION-DATE: October 3, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Caras, Ingrid W.	San Francisco	CA	US	

US-CL-CURRENT: 435/226; 435/320.1, 435/325, 435/69.1, 536/23.2

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ABSTRACT:

The present invention provides nucleic acids encoding AL-2 protein, as well as AL-2 protein produced by recombinant DNA methods. Such AL-2 protein and nucleic acid are useful in preparing antibodies and antagonists and in diagnosing and treating various neuronal disorders and disorders or conditions associated with angiogenesis.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Des
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☐ 13. Document ID: US 20020052308 A1

L11: Entry 13 of 19

File: PGPB

May 2, 2002

PGPUB-DOCUMENT-NUMBER: 20020052308

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020052308 A1

TITLE: Nucleic acids, proteins and antibodies

PUBLICATION-DATE: May 2, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Rosen, Craig A.	Laytonsville	MD	US	
Ruben, Steven M.	Olney	MD	US	

US-CL-CURRENT: 514/1; 435/183, 435/320.1, 435/325, 435/6, 435/69.1, 435/7.1, 530/350, 536/23.1

ABSTRACT:

This invention relates to newly identified tissue specific cancer associated polynucleotides and the polypeptides encoded by these polynucleotides herein collectively known as "cancer antigens," and to the complete gene sequences associated therewith and to the expression products thereof, as well as the use of such tissue specific cancer antigens for detection, prevention and treatment of tissue specific disorders, particularly the presense of cancer. This invention relates to the cancer antigens as well as vectors, host cells, antibodies directed to cancer antigens and recombinant and synthetic methods for producing the same. Also provided are diagnostic methods for diagnosing and treating, preventing and/or prognosing tissue specific disorders, including cancer, and therapeutic methods for treating such disorders. The invention further relates to screening methods for identifying agonists and antagonists of cancer antigens of the invention. The present invention further relates to methods and/or compositions for inhibiting the production and/or function of the polypeptides of the present invention.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Des
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☐ 14. Document ID: US 6727063 B1

L11: Entry 14 of 19

File: USPT

Apr 27, 2004

US-PAT-NO: 6727063

DOCUMENT-IDENTIFIER: US 6727063 B1

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TITLE: Single nucleotide polymorphisms in genes

DATE-ISSUED: April 27, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lander; Eric S.	Cambridge	MA		
Cargill; Michele	Gaithersburg	MD		
Ireland; James S.	Gaithersburg	MD		
Bolk; Stacey	West Roxbury	MA		
Daley; George Q.	Weston	MA		
McCarthy; Jeanette J.	San Diego	CA		

US-CL-CURRENT: 435/6; 435/91.1, 435/91.2

ABSTRACT:

The invention provides nucleic acid segments of the human genome, particularly nucleic acid segments from a gene, including polymorphic sites. Allele-specific primers and probes hybridizing to regions flanking or containing these sites are also provided. The nucleic acids, primers and probes are used in applications such as phenotype correlations, forensics, paternity testing, medicine and genetic analysis. A role for the thrombospondin gene(s) in vascular disease is also disclosed. Use of single nucleotide polymorphisms in the thrombospondin gene(s) for diagnosis, prediction of clinical course and treatment response, development of therapeutics and development of cell-culture-based and animal models for research and treatment are disclosed.

4 Claims, 8 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 8

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	WAC	Draw Des
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☐ 15. Document ID: US 6696557 B1

L11: Entry 15 of 19

File: USPT

Feb 24, 2004

US-PAT-NO: 6696557

DOCUMENT-IDENTIFIER: US 6696557 B1

TITLE: AL-2 neurotrophic factor nucleic acid

DATE-ISSUED: February 24, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Caras; Ingrid W.	San Francisco	CA		

US-CL-CURRENT: 536/23.4; 435/69.7

ABSTRACT:

The present invention provides nucleic acids encoding AL-2 protein, host cells and vectors containing these nucleic acids, and methods for their use to produce AL-2

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protein by recombinant DNA methods.

2 Claims, 8 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 15

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	RMC	Drawing Des
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☐ 16. Document ID: US 6555321 B1

L11: Entry 16 of 19

File: USPT

Apr 29, 2003

US-PAT-NO: 6555321
DOCUMENT-IDENTIFIER: US 6555321 B1

TITLE: Methods for determining cell responses through EphB receptors

DATE-ISSUED: April 29, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Daniel; Thomas O.	Nashville	TN		
Stein; Elke	San Francisco	CA		

US-CL-CURRENT: 435/7.1; 435/334, 435/7.2, 435/7.21, 435/7.8

ABSTRACT:

The present invention provides methods for screening an EphB receptor or an EphB receptor-binding ligand for the ability to promote a selected biological activity when in multimeric form. The invention also provides methods for initiating, promoting, directing, or inhibiting biological activities that involve EphB receptors and/or EphB receptor-binding ligands. The invention further provides compositions that can be used in the foregoing methods.

8 Claims, 9 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 7

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	RMC	Drawing Des
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☐ 17. Document ID: US 6514497 B1

L11: Entry 17 of 19

File: USPT

Feb 4, 2003

US-PAT-NO: 6514497
DOCUMENT-IDENTIFIER: US 6514497 B1

TITLE: Inhibition of LERK-2-mediated cell adhesion

DATE-ISSUED: February 4, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
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Briskin; Michael J. Lexington MA
Zou; Lily Cambridge MA

US-CL-CURRENT: 424/143.1; 424/130.1, 424/137.1, 424/141.1, 424/152.1, 424/172.1,
530/387.1, 530/387.5, 530/388.1, 530/388.22

ABSTRACT:

Methods of modulating LERK-2-mediated cell adhesion, as well as methods of modulating angiogenesis and inflammation are described. Also described are agents such as antibodies which can modulate LERK-2-mediated cell adhesion, as well as methods of treating angiogenic diseases and inflammatory diseases.

8 Claims, 8 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 8

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMIC	Draw Des
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☐ 18. Document ID: WO 9740153 A1

L11: Entry 18 of 19

File: EPAB

Oct 30, 1997

PUB-NO: WO009740153A1
DOCUMENT-IDENTIFIER: WO 9740153 A1
TITLE: AL-2 NEUROTROPHIC FACTOR

PUBN-DATE: October 30, 1997

INVENTOR-INFORMATION:

NAME

COUNTRY

CARAS, INGRID W

INT-CL (IPC): C12 N 15/12; C07 K 14/475; C12 N 15/62; A61 K 38/18; C07 K 16/22; C07 K 19/00; C12 Q 1/68; G01 N 33/50; C12 N 5/10
EUR-CL (EPC): C07K014/475

ABSTRACT:

CHG DATE=19990617 STATUS=O>The present invention provides nucleic acids encoding AL-2 protein, as well as AL-2 protein produced by recombinant DNA methods. Such AL-2 protein and nucleic acid are useful in preparing antibodies and antagonists and in diagnosing and treating various neuronal disorders and disorders or conditions associated with angiogenesis.

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMIC	Draw Des
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☐ 19. Document ID: US 6696557 B1, WO 9740153 A1, AU 9726723 A, EP 904368 A1, AU 719273 B, JP 2000509978 W, US 20020142444 A1

L11: Entry 19 of 19

File: DWPI

Feb 24, 2004

DERWENT-ACC-NO: 1997-535837

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DERWENT-WEEK: 200415

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TITLE: Human AL-2 neurotrophic factor and related DNA - used to develop products for, e.g. treating neurologic disorders, angiogenesis disorders, tumours or rheumatoid arthritis or for wound healing

INVENTOR: CARAS, I W

PRIORITY-DATA: 1996US-0635130 (April 19, 1996), 2001US-0021121 (December 6, 2001)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<u>US 6696557 B1</u>	February 24, 2004		000	C07H021/04
<u>WO 9740153 A1</u>	October 30, 1997	E	086	C12N015/12
<u>AU 9726723 A</u>	November 12, 1997		000	C12N015/12
<u>EP 904368 A1</u>	March 31, 1999	E	000	C12N015/12
<u>AU 719273 B</u>	May 4, 2000		000	C12N015/12
<u>JP 2000509978 W</u>	August 8, 2000		130	C12N015/09
<u>US 20020142444 A1</u>	October 3, 2002		000	C12N009/64

INT-CL (IPC): A61 K 38/18; C07 H 21/04; C07 K 14/475; C07 K 14/52; C07 K 16/22; C07 K 16/24; C07 K 19/00; C12 N 5/06; C12 N 5/10; C12 N 9/64; C12 N 15/09; C12 N 15/12; C12 N 15/62; C12 P 21/02; C12 P 21/08; C12 Q 1/68; G01 N 33/50

ABSTRACTED-PUB-NO: US20020142444A

BASIC-ABSTRACT:

A novel isolated nucleic acid (I) which encodes a polypeptide having an amino acid sequence that is at least 75% identical to 455 or 340 amino acid sequence for mature AL-2 (given in the specification). Also claimed are: (1) an expression vector comprising (I) operably linked to a promoter; (2) a host cell transformed with an expression vector as in (1); (3) an isolated polypeptide as above; and (4) an antibody that specifically binds to a polypeptide as above.

USE - AL-2 is a novel Eph-related tyrosine kinase receptor ligand. AL-2 can be administered to patients in whom the nervous system has been damaged by trauma, surgery, stroke, ischaemia, infection, metabolic disease, nutritional deficiency, malignancy, or toxic agents, to promote the survival or growth of neurons. They can be used to treat motoneuron disorders such as amyotrophic lateral sclerosis (Lou Gehrig's disease), Bell's palsy, and various conditions involving spinal muscular atrophy, or paralysis. AL-2 can be used to treat human neurodegenerative disorders, such as Alzheimer's disease, Parkinson's disease, epilepsy, demyelinating diseases such as multiple sclerosis, Huntingtons chorea, Down's syndrome, nerve deafness, Menier's disease, and other disorders of the cerebellum. AL-2 can be used as cognitive enhancer, to enhance learning particularly in dementias or trauma, since they can promote axonal outgrowth and synaptic plasticity, particularly of hippocampal neurons that express AL-2 binding Eph-family receptors and cortical neurons that express AL-2. AL-2 can also be used for wound healing, i.e. accelerating neovascularisation of, e.g. burns and ulcers. AL-2 antagonists can be used for modulating angiogenesis. They can also be used for the treatment of tumours, acute myeloid leukaemia (AML), chronic myeloid leukaemia (CML), myelodysplastic syndrome (MDS), diabetic retinopathy, neovascular glaucoma, psoriasis and rheumatoid arthritis. The products can also be used for detection and diagnosis.

ABSTRACTED-PUB-NO:

WO 9740153A EQUIVALENT-ABSTRACTS:

A novel isolated nucleic acid (I) which encodes a polypeptide having an amino acid sequence that is at least 75% identical to 455 or 340 amino acid sequence for mature

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AL-2 (given in the specification). Also claimed are: (1) an expression vector comprising (I) operably linked to a promoter; (2) a host cell transformed with an expression vector as in (1); (3) an isolated polypeptide as above; and (4) an antibody that specifically binds to a polypeptide as above.

USE - AL-2 is a novel Eph-related tyrosine kinase receptor ligand. AL-2 can be administered to patients in whom the nervous system has been damaged by trauma, surgery, stroke, ischaemia, infection, metabolic disease, nutritional deficiency, malignancy, or toxic agents, to promote the survival or growth of neurons. They can be used to treat motoneuron disorders such as amyotrophic lateral sclerosis (Lou Gehrig's disease), Bell's palsy, and various conditions involving spinal muscular atrophy, or paralysis. AL-2 can be used to treat human neurodegenerative disorders, such as Alzheimer's disease, Parkinson's disease, epilepsy, demyelinating diseases such as multiple sclerosis, Huntingtons chorea, Down's syndrome, nerve deafness, Menier's disease, and other disorders of the cerebellum. AL-2 can be used as cognitive enhancer, to enhance learning particularly in dementias or trauma, since they can promote axonal outgrowth and synaptic plasticity, particularly of hippocampal neurons that express AL-2 binding Eph-family receptors and cortical neurons that express AL-2. AL-2 can also be used for wound healing, i.e. accelerating neovascularisation of, e.g. burns and ulcers. AL-2 antagonists can be used for modulating angiogenesis. They can also be used for the treatment of tumours, acute myeloid leukaemia (AML), chronic myeloid leukaemia (CML), myelodysplastic syndrome (MDS), diabetic retinopathy, neovascular glaucoma, psoriasis and rheumatoid arthritis. The products can also be used for detection and diagnosis.

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draft Des.
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Search Results - Record(s) 1 through 14 of 14 returned.

☐ 1. Document ID: US 20040180823 A1

Using default format because multiple data bases are involved.

L12: Entry 1 of 14

File: PGPB

Sep 16, 2004

PGPUB-DOCUMENT-NUMBER: 20040180823

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040180823 A1

TITLE: Novel agents that modulate Eph receptor activity

PUBLICATION-DATE: September 16, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Pasquale, Elena B.	San Diego	CA	US	
Koolpe, Mitchell	San Diego	CA	US	
Murai, Keith K.	Candiac		CA	

US-CL-CURRENT: 514/12; 530/350

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Des
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☐ 2. Document ID: US 20040136983 A1

L12: Entry 2 of 14

File: PGPB

Jul 15, 2004

PGPUB-DOCUMENT-NUMBER: 20040136983

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040136983 A1

TITLE: Methods for inhibiting angiogenesis by EphB receptor antagonists

PUBLICATION-DATE: July 15, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Aguet, Michel	Lutry		CH	

US-CL-CURRENT: 424/143.1

ABSTRACT:

The present application describes methods of inhibiting or stimulating angiogenesis in a mammal comprising administering to the mammal an effective amount of an Eph receptor antagonist or agonist, respectively. Articles of manufacture for use in

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relation to these methods are also described.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. Des.
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☐ 3. Document ID: US 20040132634 A1

L12: Entry 3 of 14

File: PGPB

Jul 8, 2004

PGPUB-DOCUMENT-NUMBER: 20040132634

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040132634 A1

TITLE: Compositions and methods for regulating the kinase domain of receptor tyrosine kinases

PUBLICATION-DATE: July 8, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Sicheri, Frank	Toronto		CA	
Wybenga-Groot, Leanne	Etobicoke		CA	
Pawson, Tony	Toronto		CA	

US-CL-CURRENT: 514/1; 435/194, 702/19

ABSTRACT:

The present invention relates to binding pockets of receptor tyrosine kinases (RTKs). The binding pockets may regulate the kinase domain of the receptor tyrosine kinases. In particular, the invention relates to a crystal comprising a binding pocket of a receptor tyrosine kinase that regulates the kinase domain of the receptor tyrosine kinase EphB2. The crystal may be useful for modeling and/or synthesizing mimetics of a binding pocket or ligands that associate with the binding pocket. Such mimetics or ligands may be capable of acting as modulators of receptor tyrosine kinase receptor activity, and they may be useful for treating, inhibiting, or preventing diseases modulated by such receptors. Methods are also provided for regulating the kinase domain of an RTK by changing a binding pocket of the RTK that regulates the kinase domain from an autoinhibited state to an active state or from an active state to an autoinhibited state.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. Des.
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☐ 4. Document ID: US 20040126793 A1

L12: Entry 4 of 14

File: PGPB

Jul 1, 2004

PGPUB-DOCUMENT-NUMBER: 20040126793

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040126793 A1

TITLE: Lectin compositions and methods for modulating an immune response to an antigen

PUBLICATION-DATE: July 1, 2004

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INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Segal, Andrew H.	Boston	MA	US	
Young, Elihu	Sharon	MA	US	

US-CL-CURRENT: 435/6; 435/320.1, 435/325, 435/419, 435/69.1, 530/370, 530/395, 536/23.5

ABSTRACT:

The present invention provides a fusion polypeptide which can bind to a cell surface binding moiety (e.g., a carbohydrate) and serve as a ligand for a cell surface polypeptide, as well as a vector comprising a nucleic acid encoding for such a fusion polypeptide, and a host cell comprising such nucleic acid. The present invention also provides a composition comprising an antigen bearing target and such a fusion polypeptide, as well as a composition comprising a virus or a cell and such a fusion polypeptide. The present invention further relates to a method of modulating an immune response in an animal using such compositions.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Des
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☐ 5. Document ID: US 20040076955 A1

L12: Entry 5 of 14

File: PGPB

Apr 22, 2004

PGPUB-DOCUMENT-NUMBER: 20040076955

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040076955 A1

TITLE: Methods of diagnosis of bladder cancer, compositions and methods of screening for modulators of bladder cancer

PUBLICATION-DATE: April 22, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Mack, David H.	Menlo Park	CA	US	
Aziz, Natasha	Palo Alto	CA	US	

US-CL-CURRENT: 435/6; 435/320.1, 435/325, 435/69.1, 530/350, 536/23.5

ABSTRACT:

Described herein are genes whose expression are up-regulated or down-regulated in bladder cancer. Also described are such genes whose expression is further up-regulated or down-regulated in drug-resistant bladder cancer cells. Related methods and compositions that can be used for diagnosis, prognosis, or treatment of bladder cancer are disclosed. Also described herein are methods that can be used to identify modulators of bladder cancer.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Des
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☐ 6. Document ID: US 20040002067 A1

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L12: Entry 6 of 14

File: PGPB

Jan 1, 2004

PGPUB-DOCUMENT-NUMBER: 20040002067
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040002067 A1

TITLE: Breast cancer progression signatures

PUBLICATION-DATE: January 1, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Erlander, Mark G.	Encinitas	CA	US	
Ma, Xia-Jun	San Diego	CA	US	
Sgroi, Dennis C.	Winchester	MA	US	

US-CL-CURRENT: 435/6; 435/287.2, 702/20

ABSTRACT:

Methods and compositions for the identification of breast cancer progression signatures are provided. The signature profiles are identified based upon multiple sampling of reference breast tissue samples from independent cases of breast cancer and provide a reliable set of molecular criteria for identification of cells as being in one or more particular stages of breast cancer.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RWD	Draw	Des
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☐ 7. Document ID: US 20030157712 A1

L12: Entry 7 of 14

File: PGPB

Aug 21, 2003

PGPUB-DOCUMENT-NUMBER: 20030157712
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030157712 A1

TITLE: Methods for determining cell responses through EphB receptors

PUBLICATION-DATE: August 21, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Daniel, Thomas O.	Nashville	TN	US	
Stein, Elke	San Francisco	CA	US	

US-CL-CURRENT: 435/366; 435/368

ABSTRACT:

The present invention provides a method for initiating, promoting and/or directing cell attachment to a matrix or to another cell, comprising contacting an EphB receptor-expressing cell with a tetrameric EphB receptor-binding ligand, whereby binding of the tetrameric ligand promotes multimerization of the EphB receptor, thereby initiating, promoting and directing cell attachment to a matrix or to another cell. Also provided is a method for promoting angiogenesis, comprising contacting

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EphB receptor-expressing cells which are associated with angiogenesis with a multimeric EphB receptor-binding ligand, whereby binding of the tetrameric ligand promotes multimerization of the EphB receptor, thereby promoting angiogenesis.

Full	Title	Citation	Front	Renew	Classification	Date	Reference	Sequences	Attachments	Claims	KIND	Draw Des
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☐ 8. Document ID: US 20030154032 A1

L12: Entry 8 of 14

File: PGPB

Aug 14, 2003

PGPUB-DOCUMENT-NUMBER: 20030154032

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030154032 A1

TITLE: Methods and compositions for diagnosing and treating rheumatoid arthritis

PUBLICATION-DATE: August 14, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Pittman, Debra D.	Windham	NH	US	
Feldman, Jeffrey L.	Arlington	MA	US	
Shields, Kathleen M.	Harvard	MA	US	
Trepicchio, William L.	Andover	MA	US	

US-CL-CURRENT: 702/20

ABSTRACT:

The invention provides methods and compositions for diagnostic assays for detecting R.A. and therapeutic methods and compositions for treating R.A. The invention also provides methods for designing, identifying, and optimizing therapeutics for R.A. Diagnostic compositions of the invention include compositions comprising detection agents for detecting one or more genes that have been shown to be up- or down-regulated in cells of R.A. relative to normal counterpart cells. Exemplary detection agents include nucleic acid probes, which can be in solution or attached to a solid surface, e.g., in the form of a microarray. The invention also provides computer-readable media comprising values of levels of expression of one or more genes that are up- or down-regulated in R.A.

Full	Title	Citation	Front	Renew	Classification	Date	Reference	Sequences	Attachments	Claims	KIND	Draw Des
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☐ 9. Document ID: US 20030082511 A1

L12: Entry 9 of 14

File: PGPB

May 1, 2003

PGPUB-DOCUMENT-NUMBER: 20030082511

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030082511 A1

TITLE: Identification of modulatory molecules using inducible promoters

PUBLICATION-DATE: May 1, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Brown, Steven J.	San Diego	CA	US	
Dunnington, Damien J.	San Diego	CA	US	
Clark, Imran	San Diego	CA	US	

US-CL-CURRENT: 435/4; 435/6

ABSTRACT:

Methods for identifying an ion channel modulator, a target membrane receptor modulator molecule, and other modulatory molecules are disclosed, as well as cells and vectors for use in those methods. A polynucleotide encoding target is provided in a cell under control of an inducible promoter, and candidate modulatory molecules are contacted with the cell after induction of the promoter to ascertain whether a change in a measurable physiological parameter occurs as a result of the candidate modulatory molecule.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Drawings
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☐ 10. Document ID: US 20030022202 A1

L12: Entry 10 of 14

File: PGPB

Jan 30, 2003

PGPUB-DOCUMENT-NUMBER: 20030022202

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030022202 A1

TITLE: B-ephrin regulation of G-protein coupled chemoattraction, compositions, and methods of use

PUBLICATION-DATE: January 30, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Flanagan, John G.	Newton	MA	US	
Lu, Qiang	Brookline	MA	US	
Sun, Edna E.	Brookline	MA	US	

US-CL-CURRENT: 435/6; 435/196, 435/254.2, 435/320.1, 435/368, 435/69.1, 536/23.2

ABSTRACT:

Transmembrane B ephrins and their Eph receptors signal bi-directionally. The presently claimed invention describes a cytoplasmic protein, designated PDZ-RGS3, which binds B ephrins through a PDZ domain, and has a regulator of heterotrimeric G protein signaling (RGS) domain. PDZ-RGS3 mediates signaling from the ephrin-B cytoplasmic tail. SDF-1, a chemokine with a G protein coupled receptor, or BDNF, act as chemoattractants for cerebellar granule cells, with SDF-1 action being selectively inhibited by soluble EphB receptor. The claimed invention reveals a pathway that links reverse signaling to cellular guidance, uncovers a novel mode of control for G proteins, and demonstrates a mechanism for selective regulation of responsiveness to neuronal guidance cues. Further, compositions and methods of use are provided for modulating cell migration as a function of chemokines and GPCR interaction, to aid in the treatment of disease states and medical conditions, including cancer and immune responses such as allergy and autoimmune responses. In one embodiment, a method of

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altering the sensitivity of a cell to a chemokine is provided using a PDZ-RGS3 protein.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KnowC	Draw Des
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☐ 11. Document ID: US 20020052308 A1

L12: Entry 11 of 14

File: PGPB

May 2, 2002

PGPUB-DOCUMENT-NUMBER: 20020052308

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020052308 A1

TITLE: Nucleic acids, proteins and antibodies

PUBLICATION-DATE: May 2, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Rosen, Craig A.	Laytonsville	MD	US	
Ruben, Steven M.	Olney	MD	US	

US-CL-CURRENT: 514/1; 435/183, 435/320.1, 435/325, 435/6, 435/69.1, 435/7.1, 530/350, 536/23.1

ABSTRACT:

This invention relates to newly identified tissue specific cancer associated polynucleotides and the polypeptides encoded by these polynucleotides herein collectively known as "cancer antigens," and to the complete gene sequences associated therewith and to the expression products thereof, as well as the use of such tissue specific cancer antigens for detection, prevention and treatment of tissue specific disorders, particularly the presense of cancer. This invention relates to the cancer antigens as well as vectors, host cells, antibodies directed to cancer antigens and recombinant and synthetic methods for producing the same. Also provided are diagnostic methods for diagnosing and treating, preventing and/or prognosing tissue specific disorders, including cancer, and therapeutic methods for treating such disorders. The invention further relates to screening methods for identifying agonists and antagonists of cancer antigens of the invention. The present invention further relates to methods and/or compositions for inhibiting the production and/or function of the polypeptides of the present invention.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KnowC	Draw Des
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☐ 12. Document ID: US 6727063 B1

L12: Entry 12 of 14

File: USPT

Apr 27, 2004

US-PAT-NO: 6727063

DOCUMENT-IDENTIFIER: US 6727063 B1

TITLE: Single nucleotide polymorphisms in genes

DATE-ISSUED: April 27, 2004

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INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lander; Eric S.	Cambridge	MA		
Cargill; Michele	Gaithersburg	MD		
Ireland; James S.	Gaithersburg	MD		
Bolk; Stacey	West Roxbury	MA		
Daley; George Q.	Weston	MA		
McCarthy; Jeanette J.	San Diego	CA		

US-CL-CURRENT: 435/6; 435/91.1, 435/91.2

ABSTRACT:

The invention provides nucleic acid segments of the human genome, particularly nucleic acid segments from a gene, including polymorphic sites. Allele-specific primers and probes hybridizing to regions flanking or containing these sites are also provided. The nucleic acids, primers and probes are used in applications such as phenotype correlations, forensics, paternity testing, medicine and genetic analysis. A role for the thrombospondin gene(s) in vascular disease is also disclosed. Use of single nucleotide polymorphisms in the thrombospondin gene(s) for diagnosis, prediction of clinical course and treatment response, development of therapeutics and development of cell-culture-based and animal models for research and treatment are disclosed.

4 Claims, 8 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 8

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	Keywords	Drawing Description
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13. Document ID: US 6555321 B1

L12: Entry 13 of 14

File: USPT

Apr 29, 2003

US-PAT-NO: 6555321

DOCUMENT-IDENTIFIER: US 6555321 B1

TITLE: Methods for determining cell responses through EphB receptors

DATE-ISSUED: April 29, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Daniel; Thomas O.	Nashville	TN		
Stein; Elke	San Francisco	CA		

US-CL-CURRENT: 435/7.1; 435/334, 435/7.2, 435/7.21, 435/7.8

ABSTRACT:

The present invention provides methods for screening an EphB receptor or an EphB receptor-binding ligand for the ability to promote a selected biological activity when in multimeric form. The invention also provides methods for initiating, promoting, directing, or inhibiting biological activities that involve EphB receptors and/or EphB receptor-binding ligands. The invention further provides compositions that can be used in the foregoing methods.

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8 Claims, 9 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 7

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	Publ	Draw Des
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☐ 14. Document ID: US 6514497 B1

L12: Entry 14 of 14

File: USPT

Feb 4, 2003

US-PAT-NO: 6514497

DOCUMENT-IDENTIFIER: US 6514497 B1

TITLE: Inhibition of LERK-2-mediated cell adhesion

DATE-ISSUED: February 4, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Briskin; Michael J.	Lexington	MA		
Zou; Lily	Cambridge	MA		

US-CL-CURRENT: 424/143.1; 424/130.1, 424/137.1, 424/141.1, 424/152.1, 424/172.1,
530/387.1, 530/387.5, 530/388.1, 530/388.22

ABSTRACT:

Methods of modulating LERK-2-mediated cell adhesion, as well as methods of modulating angiogenesis and inflammation are described. Also described are agents such as antibodies which can modulate LERK-2-mediated cell adhesion, as well as methods of treating angiogenic diseases and inflammatory diseases.

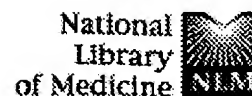
8 Claims, 8 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 8

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	Publ	Draw Des
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1: [Pascall JC, Brown KD.](#)

[Related Articles](#), [Li](#)



Intramembrane cleavage of ephrinB3 by the human rhomboid family protease RHBDL2.

Biochem Biophys Res Commun. 2004 Apr 23;317(1):244-52.

PMID: 15047175 [PubMed - indexed for MEDLINE]

2: [Yu G, Luo H, Wu Y, Wu J.](#)

[Related Articles](#), [Li](#)



Mouse ephrinB3 augments T-cell signaling and responses to T-cell receptor ligation.

J Biol Chem. 2003 Nov 21;278(47):47209-16. Epub 2003 Sep 17.

PMID: 13679370 [PubMed - indexed for MEDLINE]

3: [Kiehn O, Butt SJ.](#)

[Related Articles](#), [Li](#)



Physiological, anatomical and genetic identification of CPG neurons in the developing mammalian spinal cord.

Prog Neurobiol. 2003 Jul;70(4):347-61. Review.

PMID: 12963092 [PubMed - indexed for MEDLINE]

4: [Kullander K, Butt SJ, Lebrecht JM, Lundfald L, Restrepo CE, Rydstrom A, Klein R, Kiehn O.](#) [Related Articles](#), [Li](#)



Role of EphA4 and EphrinB3 in local neuronal circuits that control walking.

Science. 2003 Mar 21;299(5614):1889-92.

PMID: 12649481 [PubMed - indexed for MEDLINE]

5: [Coonan JR, Greferath U, Messenger J, Hartley L, Murphy M, Boyd AW, Dottori M, Galea MP, Bartlett PF.](#) [Related Articles](#), [Li](#)



Development and reorganization of corticospinal projections in EphA4 deficient mice.

J Comp Neurol. 2001 Jul 23;436(2):248-62.

PMID: 11438928 [PubMed - indexed for MEDLINE]

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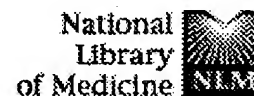
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



















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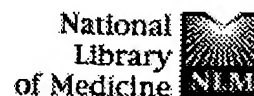
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The receptor tyrosine kinase EphB4 and ephrin-B ligands restrict angiogenic growth of embryonic veins in *Xenopus laevis*.

Helbling PM, Saulnier DM, Brandli AW.

Institute of Cell Biology, Swiss Federal Institute of Technology, ETH-Honggerberg, CH-8093 Zurich, Switzerland.

The cues and signaling systems that guide the formation of embryonic blood vessels in tissues and organs are poorly understood. Members of the Eph family of receptor tyrosine kinases and their cell membrane-anchored ligands, the ephrins, have been assigned important roles in the control of cell migration during embryogenesis, particularly in axon guidance and neural crest migration. Here we investigated the role of EphB receptors and their ligands during embryonic blood vessel development in *Xenopus laevis*. In a survey of tadpole-stage *Xenopus* embryos for EphB receptor expression, we detected expression of EphB4 receptors in the posterior cardinal veins and their derivatives, the intersomitic veins. Vascular expression of other EphB receptors, including EphB1, EphB2, EphB3, could however not be observed, suggesting that EphB4 is the principal EphB receptor of the early embryonic vasculature of *Xenopus*. Furthermore, we found that ephrin-B ligands are expressed complementary to EphB4 in the somites adjacent to the migratory pathways taken by intersomitic veins during angiogenic growth. We performed RNA injection experiments to study the function of EphB4 and its ligands in intersomitic vein development. Disruption of EphB4 signaling by dominant negative EphB4 receptors or misexpression of ephrin-B ligands in *Xenopus* embryos resulted in intersomitic veins growing abnormally into the adjacent somitic tissue. Our findings demonstrate that Eph and B-class ephrins act as regulators of angiogenesis possibly by mediating repulsive guidance cues to migrating endothelial cells.

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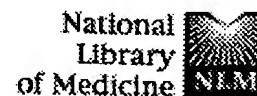
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Role of EphA4 and EphrinB3 in local neuronal circuits that control walking.

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Department of Medical Biochemistry, Gothenburg University, Medicinaregata A, 405 30 Gothenburg, Sweden. klas.kullander@medkem.gu.se

Local circuits in the spinal cord that generate locomotion are termed central pattern generators (CPGs). These provide coordinated bilateral control over the normal limb alternation that underlies walking. The molecules that organize the mammalian CPG are unknown. Isolated spinal cords from mice lacking either EphA4 receptor or its ligand ephrinB3 have lost left-right limb alternation and instead exhibit synchrony. We identified EphA4-positive neurons as an excitatory component of the locomotor CPG. Our study shows that dramatic locomotor changes can occur as a consequence of local genetic rewiring and identifies genes required for the development of normal locomotor behavior.

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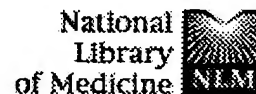
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
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
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













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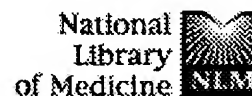
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Roles of ephrinB ligands and EphB receptors in cardiovascular development: demarcation of arterial/venous domains, vascular morphogenesis, and sprouting angiogenesis.

Adams RH, Wilkinson GA, Weiss C, Diella F, Gale NW, Deutsch U, Risau W, Klein R.

European Molecular Biology Laboratory, D-69117 Heidelberg, Germany.

Eph receptor tyrosine kinases and their cell-surface-bound ligands, the ephrins regulate axon guidance and bundling in the developing brain, control cell migration and adhesion, and help patterning the embryo. Here we report that ty ephrinB ligands and three EphB receptors are expressed in and regulate the formation of the vascular network. Mice lacking ephrinB2 and a proportion of double mutants deficient in EphB2 and EphB3 receptor signaling die in utero before embryonic day 11.5 (E11.5) because of defects in the remodeling of the embryonic vascular system. Our phenotypic analysis suggests complex interactions and multiple functions of Eph receptors and ephrins in the embryo vasculature. Interaction between ephrinB2 on arteries and its EphB receptors o veins suggests a role in defining boundaries between arterial and venous doma Expression of ephrinB1 by arterial and venous endothelial cells and EphB3 by veins and some arteries indicates that endothelial cell-to-cell interactions betw ephrins and Eph receptors are not restricted to the border between arteries and veins. Furthermore, expression of ephrinB2 and EphB2 in mesenchyme adjae to vessels and vascular defects in ephB2/ephB3 double mutants indicate a requirement for ephrin-Eph signaling between endothelial cells and surroundi mesenchymal cells. Finally, ephrinB ligands induce capillary sprouting in vitro with a similar efficiency as angiopoietin-1 (Ang1) and vascular endothelial growth factor (VEGF), demonstrating a stimulatory role of ephrins in the remodeling of the developing vascular system.

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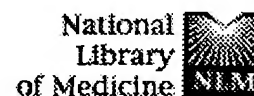
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European Molecular Biology Laboratory, D-69117 Heidelberg, Germany.

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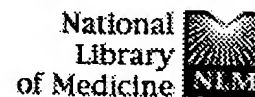
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New paradigms of signaling in the vasculature: ephrins and metalloproteases.

Ilan N, Madri JA.

Department of Pathology, Yale University School of Medicine, New Haven, CT 06510, USA.

As our understanding of the control of vasculogenesis and angiogenesis continues to grow, we will be confronted with an increasing number of interacting and intersecting receptor-mediated signaling pathways. If we are to be successful in developing new and novel effective therapeutic reagents that can function as stimulators or inhibitors of these critically important processes, we will have to develop a sophisticated, full understanding of the complex interactions associated with ephrin-based and metalloprotease-based signaling pathways.

Publication Types:

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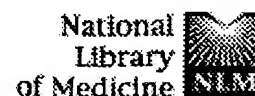
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Vasculogenesis and angiogenesis as mechanisms of vascular network formation, growth and remodeling.

Patan S.

Division of Cardiology, Albert Einstein College of Medicine, Yeshiva University, Bronx, New York 10461, USA. spatana@aeom.yu.edu

Two distinct mechanisms, vasculogenesis and angiogenesis implement the formation of the vascular network in the embryo. Vasculogenesis gives rise to heart and the first primitive vascular plexus inside the embryo and in its surrounding membranes, as the yolk sac circulation. Angiogenesis is responsible for the remodeling and expansion of this network. While vasculogenesis refers to *in situ* differentiation and growth of blood vessels from mesodermal derived hemangioblasts, angiogenesis comprises two different mechanisms: endothelial sprouting and intussusceptive microvascular growth (IMG). The sprouting process is based on endothelial cell migration, proliferation and tube formation. IMG divides existing vessel lumens by formation and insertion of tissue folds, columns of interstitial tissue into the vessel lumen. The latter are termed interstitial or inter-vascular tissue structures (ITSs) and tissue pillars or posts. Intussusception also includes the establishment of new vessels by *in situ* loop formation in the wall of large veins. The molecular regulation of these distinct mechanisms is discussed in respect to the most important positive regulators, vascular endothelial growth factor (VEGF) and its receptors flk-1 (KDR) and 1, the Angiopoietin/tie system and the ephrin-B/Eph-B system. The cellular mechanisms and the molecular regulation of angiogenesis in the pathological state are summarized and the differences of physiological and pathological angiogenesis elaborated.

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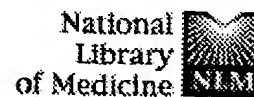
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Eph receptors and ephrin ligands. essential mediators of vascular development.

Adams RH, Klein R.

Developmental Biology Program, Heidelberg, Germany.

The molecular and cellular mechanisms governing vascular development are poorly understood. Prominent among the intercellular signals that control the initial establishment of the vascular network (termed vasculogenesis) and the subsequent remodeling process (called angiogenesis) are soluble ligands that signal through receptor tyrosine kinases (RTKs). Recent reports have added ce bound ephrin ligands and their cognate Eph RTKs to the list of key players in vascular development.

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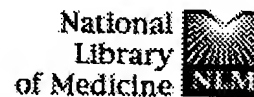
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Angiogenesis factors.

Kuwano M, Fukushi J, Okamoto M, Nishie A, Goto H, Ishibashi T, Ono N

Department of Medical Biochemistry, Graduate School of Medical Sciences, Kyushu University, Fukuoka.

Angiogenesis is a recent highlight in the medical field; the developmental process and pathological conditions for various diseases can be understood from the new aspect of "angiogenesis". Many angiogenesis-related factors are involved in the development of vessels during embryogenesis (vasculogenesis), as well as the induction of new vessels in response to physiological or pathological stimuli. In particular, the appearance of hemangioblasts, precursor cells for vascular endothelial cells and blood cells, and blood islands are expected to play a "prelude" role in tubulogenesis. Gene knock out mice of vascular endothelial growth factor (VEGF)/VEGF receptor, ephrin-B2, and angiopoietin-1 results in a failure of normal vessels production. Dormant factors derived from proteolytic cleavage of various physiological substrates are expected to balance a homeostasis of "angiogenic states" in the host. Furthermore, angiogenesis under various pathological conditions of malignant tumors, ocular diseases, psoriasis, rheumatoid arthritis, atherosclerosis and other diseases is associated with complex angiogenesis networks, suggesting pleiotropic mechanisms for angiogenesis.

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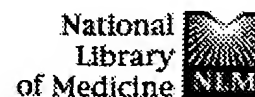
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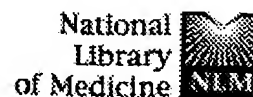
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☐ 1: Cytokine Growth Factor Rev. 2002 Feb;13(1):75-85.

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The ephrins and Eph receptors in angiogenesis.

Cheng N, Brantley DM, Chen J.

Department of Cancer Biology, Vanderbilt University School of Medicine, A-4323 MCN, 1161 21st Avenue South, Nashville, TN 37232, USA.

Eph receptors are a unique family of receptor tyrosine kinases that play critical roles in embryonic patterning, neuronal targeting, vascular development and angiogenesis. Engagement of Eph receptors by ephrin ligands mediates critical steps of angiogenesis, including juxtacrine cell-cell contacts, cell adhesion to extracellular matrix, and cell migration. Recent evidence from in vitro angiogenesis assays and analysis of mice deficient for one or more members of the Eph family establishes the role of Eph signaling in sprouting angiogenesis, blood vessel remodeling during vascular development. Furthermore, elevated expression of Eph receptors and ephrin ligands is associated with tumors and associated tumor vasculature, suggesting that Eph receptors and their ephrin ligands also play critical roles in tumor angiogenesis and tumor growth. This review will focus on the relevance of Eph receptor signaling in embryonic and adult neovascularization, and possible contributions to tumor growth and metastasis.

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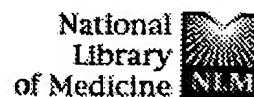
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Department of Cancer Biology, Vanderbilt University School of Medicine, A-4323 MCN, 1161 21st Avenue South, Nashville, TN 37232, USA.

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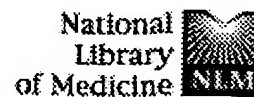
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[Angiogenesis research--quo vadis?]

[Article in German]

Augustin HG.

Abt. fur Vasklare Biologie und Angiogeneseforschung, Klinik fur Tumorbiolo
Freiburg. augustin@angiogenese.de

The field of angiogenesis research has seen an explosion of knowledge within last 10 years. More than 3500 angiogenesis-related papers are presently being published per year compared to the less than 200 annual papers published in the early 1990s. Paralleling the progress in the field of basic angiogenesis research, translational research has led to the identification of more than 100 angiomanipulatory compounds. Presently, more than 40 substances are in various phases of clinical trials. The prospect of these exciting developments is presently dampened by the negative outcome of some advanced clinical trials. Thus, following euphoria and disillusion, the field is presently experiencing that translational clinical research requires endurance to eventually accomplish the successful implementation of angiomanipulatory therapies in the clinical setting. The present article provides an overview of the field of angiogenesis research; summarizes ongoing efforts aimed at developing angiomanipulatory therapies.

Publication Types:

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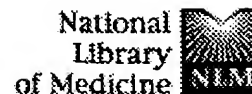
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Elk-L3, a novel transmembrane ligand for the Eph family of receptor tyrosine kinases, expressed in embryonic floor plate, roof plate and hindbrain segment.
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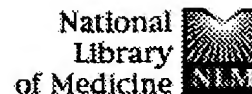
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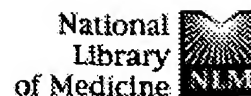
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Elk-L3, a novel transmembrane ligand for the Eph family of receptor tyrosine kinases, expressed in embryonic floor plate, roof plate and hindbrain segments.

Gale NW, Flenniken A, Compton DC, Jenkins N, Copeland NG, Gilbert D Davis S, Wilkinson DG, Yancopoulos GD.

Regeneron Pharmaceuticals, Inc, Tarrytown, New York 10591, USA.

The Eph family of receptor tyrosine kinases has 13 distinct members and several ligands for these receptors have been described to date. These receptors and the ligands have been implicated in regulating neuronal axon guidance and in patterning of the developing nervous system and may also serve a patterning and compartmentalization role outside of the nervous system as well. The ligands are all membrane-attached, and this attachment appears to be crucial for their normal function; five of the known ligands are linked to the membrane via a glycosylphosphatidylinositol (GPI) linkage, while two of the ligands are transmembrane proteins. Despite the large number of Eph family receptors and ligands, they can be divided into just two major subclasses based on their binding specificities. The GPI-anchored ligands bind and activate one subclass of the Eph receptors (that represented by Eck) while the two transmembrane ligands bind and activate the other major subclass of receptors (represented by Elk). Here we report the identification and characterization of the third, and most divergent, member of the transmembrane group of Eph ligands, which we term Elk-L3 (Elk-related receptor ligand number 3). Elk-L3 is notable for its remarkably restricted and prominent expression in the floor plate and roof plate of the developing neural tube and its rhombomere-specific expression in the developing hindbrain. The Elk-L3 gene has been localized to mouse chromosome 11 and human chromosome 17.

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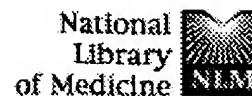
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[On 2 cases of pseudohermaphroditism]

Arch Gynakol. 1963;198:400-4. German. No abstract available.

PMID: 13938188 [PubMed - OLDMEDLINE for Pre1966]

7: BERGEMANN E. Related Articles, Li

[The frequency of sex chromatin deviations from the normal and a familial investigation of triplo-X]

Helv Med Acta. 1962 Dec;29:420-2. German. No abstract available.

PMID: 13970651 [PubMed - OLDMEDLINE for Pre1966]

8: BERGEMANN E. Related Articles, Li

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[When is sex diagnosis by sex chromatin determination or by chromosome culture to be used?]

Schweiz Med Wochenschr. 1962 Oct 13;92:1253-9. German. No abstract available.
PMID: 13970652 [PubMed - OLDMEDLINE for Pre1966]

☐ 9: [BERGEMANN E.](#)

[Related Articles, Li](#)



[Familial manifestation of the triple-X karyotype. Preliminary report]

J Genet Hum. 1961 Dec;10:370-1. French. No abstract available.
PMID: 13867632 [PubMed - OLDMEDLINE for Pre1966]

☐ 10: [HERRMANN U.](#), [BERGEMANN E.](#), [ARNOLD M.](#)

[Related Articles, Li](#)



[On the use of ethinyl-nortestosterone acetate]

Gynaecologia. 1959 Nov;148:334-40. German. No abstract available.
PMID: 14401378 [PubMed - OLDMEDLINE for Pre1966]

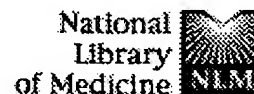
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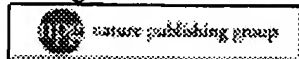
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☐ 1: Oncogene. 1998 Jan 29;16(4):471-80.

Related Articles, 1



Ephrin-B3, a ligand for the receptor EphB3, expressed at the midline of the developing neural tube.

Bergemann AD, Zhang L, Chiang MK, Brambilla R, Klein R, Flanagan J

Department of Cell Biology, Harvard Medical School, Boston, Massachusetts 02115, USA.

The ephrins are a family of ligands that bind to Eph family receptor tyrosine kinases, and have been implicated in axon guidance and other patterning processes during vertebrate development. We describe here the identification and characterization of murine ephrin-B3. The cDNA encodes a 340 amino acid transmembrane molecule, most closely related to the two other known transmembrane ligands, ephrin-B1 and ephrin-B2. In addition to homology in their extracellular receptor binding domains, these transmembrane ligands share striking homology between their cytoplasmic domains, with 31 of the last 34 amino acids of ephrin-B3 being identical to ephrin-B2, suggesting functional interactions of the cytoplasmic tail. While most Eph family ligands are promiscuous in their interactions with Eph receptors, binding studies with the receptors known to bind other transmembrane ligands only revealed a high affinity interaction of ephrin-B3 with EphB3, with a dissociation constant of approximately 1 nM. In situ hybridization of mouse embryos showed ephrin-B is expressed prominently at the dorsal and ventral midline of the neural tube, particularly in the floor plate, a structure with key functions in patterning the nervous system. The isolation of this ligand may help to elucidate the molecular basis of patterning activities at the neural tube midline.

PMID: 9484836 [PubMed - indexed for MEDLINE]

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24 FILES SEARCHED...
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L4 28 L3 AND EPHRIN-B3

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61 FILES SEARCHED...
L5 301 EPHRIN-B3

=> D L4 1-28

L4 ANSWER 1 OF 28 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on
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AN 2004:134279 BIOSIS
DN PREV200400132342
TI ***Ephrin*** -B1 promotes neovascularization and invasion in
hepatocellular carcinoma.
AU Sawai, Yoshiyuki [Reprint Author]; Tamura, Shinji [Reprint Author]; Fukui,
Koji [Reprint Author]; Ito, Nobuyuki; Imanaka, Kazuho [Reprint Author];
Saeki, Ayuko [Reprint Author]; Sakuda, Shigeru [Reprint Author]; Kiso,
Shinichi [Reprint Author]; Matsuzawa, Yuji [Reprint Author]
CS Graduate School of Medicine, Osaka University, Suita, Osaka, Japan
SO Hepatology, (October 2003) Vol. 38, No. 4 Suppl. 1, pp. 760A-761A. print.
Meeting Info.: 54th Annual Meeting of the American Association for the
Study of Liver Diseases. Boston, MA, USA. October 24-28, 2003. American
Association for the Study of Liver Diseases.
ISSN: 0270-9139 (ISSN print).
DT Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
LA English
ED Entered STN: 10 Mar 2004
Last Updated on STN: 10 Mar 2004

L4 ANSWER 2 OF 28 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on
STN
AN 2004:120204 BIOSIS
DN PREV200400122589
TI Expression of ***ephrin*** -B1 in hepatocellular carcinoma: Possible
involvement in neovascularization.
AU Sawai, Yoshiyuki; Tamura, Shinji [Reprint Author]; Fukui, Koji; Ito,
Nobuyuki; Imanaka, Kazuho; Saeki, Ayuko; Sakuda, Shigeru; Kiso, Shinichi;
Matsuzawa, Yuji
CS Department of Internal Medicine and Molecular Science, Graduate School of
Medicine, Medical School, Osaka University, 2-2 Yamadaoka, Suita, Osaka,
565-0871, Japan
tamuras@imed2.med.osaka-u.ac.jp
SO Journal of Hepatology, (December 2003) Vol. 39, No. 6, pp. 991-996. print.
ISSN: 0168-8278 (ISSN print).
DT Article
LA English
ED Entered STN: 3 Mar 2004

L4 ANSWER 3 OF 28 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on
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 AN 2003:543156 BIOSIS
 DN PREV200300538665
 TI EPHRINA1 SIGNALING INHIBITS VEGF - INDUCED ERK1/2 PHOSPHORYLATION AND
 RETINAL ENDOTHELIAL CELL PROLIFERATION.
 AU Ojima, T. [Reprint Author]; Takagi, H. [Reprint Author]; Suzuma, K.
 [Reprint Author]; Oh, H. [Reprint Author]; Suzuma, I. [Reprint Author];
 Ohashi, H. [Reprint Author]; Watanabe, D. [Reprint Author]; Suganami, E.
 [Reprint Author]; Honda, Y. [Reprint Author]
 CS Ophthalmology and Visual Sciences, Kyoto University Graduate School of
 Medicine, Kyoto, Japan
 SO ARVO Annual Meeting Abstract Search and Program Planner, (2003) Vol. 2003,
 pp. Abstract No. 2881. cd-rom.
 Meeting Info.: Annual Meeting of the Association for Research in Vision
 and Ophthalmology. Fort Lauderdale, FL, USA. May 04-08, 2003. Association
 for Research in Vision and Ophthalmology.
 DT Conference; (Meeting)
 Conference; Abstract; (Meeting Abstract)
 LA English
 ED Entered STN: 19 Nov 2003
 Last Updated on STN: 19 Nov 2003

L4 ANSWER 4 OF 28 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on
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 AN 2003:542402 BIOSIS
 DN PREV200300543738
 TI ***Ephrin*** B1 is expressed on human luteinizing granulosa cells in
 corpora lutea of the early luteal phase: The possible involvement of the B
 class Eph- ***ephrin*** system during corpus luteum formation.
 AU Egawa, Miho; Yoshioka, Shinya; Higuchi, Toshihiro; Sato, Yukiyasu;
 Tatsumi, Keiji; Fujiwara, Hiroshi [Reprint Author]; Fujii, Shingo
 CS Department of Gynecology and Obstetrics, Faculty of Medicine, Kyoto
 University, Sakyo-ku, Kyoto, 606-8507, Japan
 fuji@kuhp.kyoto-u.ac.jp
 SO Journal of Clinical Endocrinology & Metabolism, (September 2003) Vol. 88,
 No. 9, pp. 4384-4392. print.
 ISSN: 0021-972X (ISSN print).
 DT Article
 LA English
 ED Entered STN: 19 Nov 2003
 Last Updated on STN: 19 Nov 2003

L4 ANSWER 5 OF 28 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on
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 AN 2002:214449 BIOSIS
 DN PREV200200214449
 TI Coexpression of ***ephrin*** -Bs and their receptors in colon
 carcinoma.
 AU Liu, Wenbiao; Ahmad, Syed A.; Jung, Young D.; Reinmuth, Niels; Fan, Fan;
 Bucana, Corazon D.; Ellis, Lee M. [Reprint author]
 CS Department of Surgical Oncology, University of Texas M. D. Anderson Cancer
 Center, 1515 Holcombe Boulevard, 444, Houston, TX, 77030-4009, USA
 lellis@mdanderson.org
 SO Cancer, (February 15, 2002) Vol. 94, No. 4, pp. 934-939. print.
 CODEN: CANCAR. ISSN: 0008-543X.
 DT Article
 LA English
 ED Entered STN: 27 Mar 2002
 Last Updated on STN: 27 Mar 2002

L4 ANSWER 6 OF 28 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 2004:355085 CAPLUS
 DN 140:369944
 TI Human tissue-specific housekeeping genes identified by expression
 profiling
 IN Aburatani, Hiroyuki; Yamamoto, Shogo
 PA NGK Insulators, Ltd., Japan
 SO PCT Int. Appl., 372 pp.
 CODEN: PIXXD2
 DT Patent
 LA Japanese
 FAN. CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI WO 2004035785 A1 20040429 WO 2002-JP10753 20021016
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 AN 2003:42302 CAPLUS
 DN 138:105633
 TI Tie-Fc and ***Ephrin*** -Fc fusion proteins for screening therapeutic capable of modulating growth, migration and proliferation of endothelial cells and treating cancers
 IN Alitalo, Kari; Kubo, Hajime
 PA Licentia Ltd., Finland
 SO PCT Int. Appl., 200 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003004529	A2	20030116	WO 2002-IB2524	20020702
	WO 2003004529	A3	20040610		
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PRAI US 2001-302960P P 20010702

L4 ANSWER 8 OF 28 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 2000:24291 CAPLUS
 DN 132:178235
 TI Comparative analysis of embryonic gene expression defines potential interaction sites for Xenopus EphB4 receptors with ***ephrin*** -B ligands
 AU Helbling, Paul M.; Saulnier, Didier M. E.; Robinson, Vicky; Christiansen, Jeff H.; Wilkinson, David G.; Brandli, Andre W.
 CS Institute of Cell Biology, Swiss Federal Institute of Technology, Zurich, CH-8093, Switz.
 SO Developmental Dynamics (1999), 216(4/5), 361-373
 CODEN: DEDYEI; ISSN: 1058-8388
 PB Wiley-Liss, Inc.
 DT Journal
 LA English
 RE.CNT 69 THERE ARE 69 CITED REFERENCES AVAILABLE FOR THIS RECORD
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 AN ABU07846 Protein DGENE
 TI Identifying modulators of binding between a Tie receptor tyrosine kinase and an ***Ephrin*** ligand, useful for promoting neovascularization, comprises contacting a Tie receptor with an ***Ephrin*** in the presence of a putative modulator -
 IN Alitalo K; Kubo H
 PA (LICN) LICENTIA LTD.
 PI WO 2003004529 A2 20030116 199p
 AI WO 2002-IB2524 20020702
 PRAI US 2001-302960P 20010702
 DT Patent

OS 2003-210341 [20]
CR N-PSDB: ABX12547
DESC Mouse ***ephrin*** - ***B3*** ligand.

L4 ANSWER 10 OF 28 DGENE COPYRIGHT 2004 The Thomson Corp on STN
AN ABU07845 Protein DGENE
TI Identifying modulators of binding between a Tie receptor tyrosine kinase and an ***Ephrin*** ligand, useful for promoting neovascularization, comprises contacting a Tie receptor with an ***Ephrin*** in the presence of a putative modulator -
IN Alitalo K; Kubo H
PA (LICN) LICENTIA LTD.
PI WO 2003004529 A2 20030116 199p
AI WO 2002-IB2524 20020702
PRAI US 2001-302960P 20010702
DT Patent
LA English
OS 2003-210341 [20]
CR N-PSDB: ABX12546
DESC Human ***ephrin*** - ***B3*** ligand.

L4 ANSWER 11 OF 28 DGENE COPYRIGHT 2004 The Thomson Corp on STN
AN ABX12547 cDNA DGENE
TI Identifying modulators of binding between a Tie receptor tyrosine kinase and an ***Ephrin*** ligand, useful for promoting neovascularization, comprises contacting a Tie receptor with an ***Ephrin*** in the presence of a putative modulator -
IN Alitalo K; Kubo H
PA (LICN) LICENTIA LTD.
PI WO 2003004529 A2 20030116 199p
AI WO 2002-IB2524 20020702
PRAI US 2001-302960P 20010702
DT Patent
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OS 2003-210341 [20]
CR P-PSDB: ABU07846
DESC cDNA encoding mouse ***ephrin*** - ***B3*** ligand.

L4 ANSWER 12 OF 28 DGENE COPYRIGHT 2004 The Thomson Corp on STN
AN ABX12546 cDNA DGENE
TI Identifying modulators of binding between a Tie receptor tyrosine kinase and an ***Ephrin*** ligand, useful for promoting neovascularization, comprises contacting a Tie receptor with an ***Ephrin*** in the presence of a putative modulator -
IN Alitalo K; Kubo H
PA (LICN) LICENTIA LTD.
PI WO 2003004529 A2 20030116 199p
AI WO 2002-IB2524 20020702
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OS 2003-210341 [20]
CR P-PSDB: ABU07845
DESC cDNA encoding human ***ephrin*** - ***B3*** ligand.

L4 ANSWER 13 OF 28 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS RESERVED.
on STN
AN 2004407732 EMBASE
TI ***Ephrins*** and their receptors: Binding versus biology.
AU Blits-Huizinga C.T.; Nellersa C.M.; Malhotra A.; Liebl D.J.
CS D.J. Liebl, Miami Project to Cure Paralysis, Univ. of Miami School of Medicine, 1095 NW 14th Terrace, Miami, FL 33136, United States. dl Liebl@miami.edu
SO IUBMB Life, (2004) 56/5 (257-265).
Refs: 49
ISSN: 1521-6543 CODEN: IULIF8
CY United States
DT Journal; General Review
FS 008 Neurology and Neurosurgery
021 Developmental Biology and Teratology
029 Clinical Biochemistry
LA English
SL English

L4 ANSWER 14 OF 28 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS RESERVED.

AN 2004190550 EMBASE
 TI Eph- ***ephrin*** promiscuity is now crystal clear.
 AU Pasquale E.B.
 CS E.B. Pasquale, Burnham Institute, San Diego, CA 92037, United States.
 elenap@burnham.org
 SO Nature Neuroscience, (2004) 7/5 (417-418).
 Refs: 15
 ISSN: 1097-6256 CODEN: NANEFN
 CY United States
 DT Journal; (Short Survey)
 FS 008 Neurology and Neurosurgery
 029 Clinical Biochemistry
 LA English
 SL English

L4 ANSWER 15 OF 28 FEDRIP COPYRIGHT 2004 NTIS on STN
 AN 2004:164868 FEDRIP
 NR CRISP 5R01CA85519-03
 TI Functions of EPH Receptors and ***Ephrins*** in Neuroblastoma
 SF Principal Investigator: IKEGAKI, NAOHIKO; IKEGAKI@EMAIL.CHOP.EDU,
 CHILDREN'S HOSPITAL OF PHILADELPHIA, 3516 CIVIC CENTER BLVD
 CSP CHILDREN'S HOSPITAL OF PHILADELPHIA, PHILADELPHIA, PENNSYLVANIA
 CSS Supported By: NATIONAL CANCER INSTITUTE
 DB 2007 (/01/01)
 FYR 2003
 DE 2006 (/30/06)
 FU Noncompeting Continuation (Type 5)
 FS National Institutes of Health

L4 ANSWER 16 OF 28 SCISEARCH COPYRIGHT (c) 2004 The Thomson Corporation.
 on STN
 AN 2000:929677 SCISEARCH
 GA The Genuine Article (R) Number: 379PM
 TI Prognostic significance of EPHB6, EFNB2 and EFNB3 expressions in
 neuroblastoma
 AU Tang X X; Zhao H Q; Robinson M E; Cnaan A; London W; Cohn S L; Cheung N K
 V; Brodeur G M; Evans A E; Ikegaki N (Reprint)
 CS CHILDRENS HOSP PHILADELPHIA, DIV ONCOL, ARC SUITE 902, 3516 CIVIC CTR
 BLVD, PHILADELPHIA, PA 19104 (Reprint); CHILDRENS HOSP PHILADELPHIA, DIV
 ONCOL, PHILADELPHIA, PA 19104; CHILDRENS HOSP PHILADELPHIA, DIV BIostat &
 EPIDEMIOLOGY, PHILADELPHIA, PA 19104; UNIV FLORIDA, PEDIAT ONCOL GRP, STAT
 OFF, GAINESVILLE, FL; NORTHWESTERN UNIV, DEPT PEDIAT, CHICAGO, IL 60611;
 CHILDRENS MEM HOSP, CHICAGO, IL; MEM SLOAN KETTERING CANC CTR, NEW YORK,
 NY 10021
 CYA USA
 SO MEDICAL AND PEDIATRIC ONCOLOGY, (DEC 2000) Vol. 35, No. 6, pp. 656-658.
 Publisher: WILEY-LISS, DIV JOHN WILEY & SONS INC, 605 THIRD AVE, NEW YORK,
 NY 10158-0012.
 ISSN: 0098-1532.
 DT Article; Journal
 FS CLIN
 LA English
 REC Reference Count: 21
 ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 17 OF 28. USPATFULL on STN
 AN 2004:233749 USPATFULL
 TI Novel agents that modulate Eph receptor activity
 IN Pasquale, Elena B., San Diego, CA, UNITED STATES
 Koolpe, Mitchell, San Diego, CA, UNITED STATES
 Mural, Keith K., Candiac, CANADA
 PI US 2004180823 A1 20040916
 AI US 2003-652407 A1 20030829 (10)
 PRAI US 2002-413242P 20020924 (60)
 DT Utility
 FS APPLICATION
 LN.CNT 3175
 INCL INCLM: 514/012.000
 INCLS: 530/350.000
 NCL NCLM: 514/012.000
 NCLS: 530/350.000
 IC [7]
 ICM: A61K038-17
 ICS: C07K014-705
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 18 OF 28 USPATFULL on STN
AN 2004:196424 USPATFULL
TI Lectin compositions and methods for modulating an immune response to an antigen
IN Segal, Andrew H., Boston, MA, UNITED STATES
Young, Elihu, Sharon, MA, UNITED STATES
PA Genitrix, LLC (U.S. corporation)
PI US 2004151728 A1 20040805
AI US 2003-666834 A1 20030919 (10)
RLI Division of Ser. No. US 2003-645000, filed on 20 Aug 2003, PENDING
PRAI US 2002-404823P 20020820 (60)
US 2003-487407P 20030715 (60)
DT Utility
FS APPLICATION
LN.CNT 39129
INCL INCLM: 424/184.100
INCLS: 424/199.100; 424/200.100; 530/395.000
NCL NCLM: 424/184.100
NCLS: 424/199.100; 424/200.100; 530/395.000
IC [7]
ICM: A61K039-00
ICS: A61K039-12; A61K039-02
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 19 OF 28 USPATFULL on STN
AN 2004:172470 USPATFULL
TI Compositions and methods for regulating the kinase domain of receptor tyrosine kinases
IN Sicheri, Frank, Toronto, CANADA
Wybenga-Groot, Leanne, Etobicoke, CANADA
Pawson, Tony, Toronto, CANADA
PI US 2004132634 A1 20040708
AI US 2004-470840 A1 20040217 (10)
WO 2002-CA114 20020131
PRAI US 2001-60265510 20010131
DT Utility
FS APPLICATION
LN.CNT 7170
INCL INCLM: 514/001.000
INCLS: 435/194.000; 702/019.000
NCL NCLM: 514/001.000
NCLS: 435/194.000; 702/019.000
IC [7]
ICM: A61K031-00
ICS: G06F019-00; G01N033-48; G01N033-50; C12N009-12
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 20 OF 28 USPATFULL on STN
AN 2004:165307 USPATFULL
TI Lectin compositions and methods for modulating an immune response to an antigen
IN Segal, Andrew H., Boston, MA, UNITED STATES
Young, Elihu, Sharon, MA, UNITED STATES
PA Genitrix, LLC (U.S. corporation)
PI US 2004126793 A1 20040701
AI US 2003-666885 A1 20030919 (10)
RLI Division of Ser. No. US 2003-645000, filed on 20 Aug 2003, PENDING
PRAI US 2002-404823P 20020820 (60)
US 2003-487407P 20030715 (60)
DT Utility
FS APPLICATION
LN.CNT 28979
INCL INCLM: 435/006.000
INCLS: 435/069.100; 435/320.100; 435/325.000; 435/419.000; 530/370.000;
530/395.000; 536/023.500
NCL NCLM: 435/006.000
NCLS: 435/069.100; 435/320.100; 435/325.000; 435/419.000; 530/370.000;
530/395.000; 536/023.500
IC [7]
ICM: C12Q001-68
ICS: C07H021-04; C07K014-47; C07K014-415; C12N005-04
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 21 OF 28 USPATFULL on STN
AN 2004:164872 USPATFULL

antigen
IN Segal, Andrew H., Boston, MA, UNITED STATES
Young, Elihu, Sharon, MA, UNITED STATES
PA Genitrix, LLC (U.S. corporation)
PI US 2004126357 A1 20040701
AI US 2003-666886 A1 20030919 (10)
RLI Division of Ser. No. US 2003-645000, filed on 20 Aug 2003, PENDING
PRAI US 2002-404823P 20020820 (60)
US 2003-487407P 20030715 (60)

DT Utility
FS APPLICATION

LN.CNT 39007

INCL INCLM: 424/085.100
INCLS: 424/093.200; 424/185.100

NCL NCLM: 424/085.100
NCLS: 424/093.200; 424/185.100

IC [7]
ICM: A61K048-00
ICS: A61K039-00; A61K038-19

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 22 OF 28 USPATFULL on STN

AN 2004:101093 USPATFULL

TI Methods of diagnosis of bladder cancer, compositions and methods of
screening for modulators of bladder cancer

IN Mack, David H., Menlo Park, CA, UNITED STATES

Aziz, Natasha, Palo Alto, CA, UNITED STATES

PA Eos Biotechnology, Inc., South San Francisco, CA, UNITED STATES,
94080-7019 (U.S. corporation)

PI US 2004076955 A1 20040422

AI US 2002-188832 A1 20020702 (10)

PRAI US 2002-372246P 20020412 (60)

US 2001-350666P 20011113 (60)

US 2001-343705P 20011108 (60)

US 2001-310099P 20010803 (60)

US 2001-302814P 20010703 (60)

DT Utility

FS APPLICATION

LN.CNT 27357

INCL INCLM: 435/006.000

INCLS: 435/069.100; 435/320.100; 435/325.000; 530/350.000; 536/023.500

NCL NCLM: 435/006.000

NCLS: 435/069.100; 435/320.100; 435/325.000; 530/350.000; 536/023.500

IC [7]

ICM: C12Q001-68

ICS: C07H021-04; C12P021-02; C12N005-06; C07K014-47

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 23 OF 28 USPATFULL on STN

AN 2004:2047 USPATFULL

TI Breast cancer progression signatures

IN Erlander, Mark G., Encinitas, CA, UNITED STATES

Ma, Xia-Jun, San Diego, CA, UNITED STATES

Sgroi, Dennis C., Winchester, MA, UNITED STATES

PI US 2004002067 A1 20040101

AI US 2001-28018 A1 20011221 (10)

DT Utility

FS APPLICATION

LN.CNT 5596

INCL INCLM: 435/006.000

INCLS: 435/287.200; 702/020.000

NCL NCLM: 435/006.000

NCLS: 435/287.200; 702/020.000

IC [7]

ICM: C12Q001-68

ICS: G06F019-00; G01N033-48; G01N033-50; C12M001-34

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 24 OF 28 USPATFULL on STN

AN 2003:220740 USPATFULL

TI Methods and compositions for diagnosing and treating rheumatoid
arthritis

IN Pittman, Debra D., Windham, NH, UNITED STATES

Feldman, Jeffrey L., Arlington, MA, UNITED STATES

Shields, Kathleen M., Harvard, MA, UNITED STATES

PI US 2003154032 A1 20030814
AI US 2001-23451 A1 20011217 (10)
PRAI US 2000-255861P 20001215 (60)
DT Utility
FS APPLICATION
LN.CNT 25385
INCL INCLM: 702/020.000
NCL NCLM: 702/020.000
IC [7]
ICM: G06F019-00
ICS: G01N033-48

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 25 OF 28 USPATFULL on STN
AN 2003:120026 USPATFULL
TI Identification of modulatory molecules using inducible promoters
IN Brown, Steven J., San Diego, CA, UNITED STATES
Dunnington, Damien J., San Diego, CA, UNITED STATES
Clark, Imran, San Diego, CA, UNITED STATES
PI US 2003082511 A1 20030501
AI US 2001-965201 A1 20010925 (9)
DT Utility
FS APPLICATION
LN.CNT 5526
INCL INCLM: 435/004.000
INCLS: 435/006.000
NCL NCLM: 435/004.000
NCLS: 435/006.000
IC [7]
ICM: C12Q001-00
ICS: C12Q001-68

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 26 OF 28 USPATFULL on STN
AN 2003:30255 USPATFULL
TI B- ***ephrin*** regulation of G-protein coupled chemoattraction,
compositions, and methods of use
IN Flanagan, John G., Newton, MA, UNITED STATES
Lu, Qiang, Brookline, MA, UNITED STATES
Sun, Edna E., Brookline, MA, UNITED STATES
PI US 2003022202 A1 20030130
AI US 2002-113794 A1 20020401 (10)
PRAI US 2001-280260P 20010330 (60)
DT Utility
FS APPLICATION
LN.CNT 1905
INCL INCLM: 435/006.000
INCLS: 435/069.100; 435/320.100; 435/254.200; 435/368.000; 435/196.000;
536/023.200
NCL NCLM: 435/006.000
NCLS: 435/069.100; 435/320.100; 435/254.200; 435/368.000; 435/196.000;
536/023.200
IC [7]
ICM: C12Q001-68
ICS: C07H021-04; C12P021-02; C12N001-18; C12N009-16; C12N005-08

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 27 OF 28 USPATFULL on STN
AN 2002:266423 USPATFULL
TI Peptides that modulate the interaction of B class ***ephrins*** and
PDZ domains
IN Lin, Danny, Scarborough, CANADA
Pawson, Anthony, Toronto, CANADA
Gish, Gerald, East York, CANADA
PI US 2002147306 A1 20021010
AI US 2001-862179 A1 20010521 (9)
PRAI WO 1999-CA1101 19991119
US 1998-109158P 19981120 (60)
DT Utility
FS APPLICATION
LN.CNT 2332
INCL INCLM: 530/350.000
INCLS: 530/324.000
NCL NCLM: 530/350.000
NCLS: 530/324.000

ICM: C07K014-435
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 28 OF 28 USPATFULL on STN
AN 2002:99407 USPATFULL
TI Nucleic acids, proteins and antibodies
IN Rosen, Craig A., Laytonsville, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
PI US 2002052308 A1 20020502
AI US 2001-925301 A1 20010810 (9)
RLI Continuation of Ser. No. WO 2000-US5882, filed on 8 Mar 2000, UNKNOWN
PRAI US 1999-124270P 19990312 (60)
DT Utility
FS APPLICATION
LN.CNT 30577
INCL INCLM: 514/001.000
INCLS: 435/006.000; 435/007.100; 435/069.100; 435/183.000; 536/023.100;
530/350.000; 435/320.100; 435/325.000
NCL NCLM: 514/001.000
NCLS: 435/006.000; 435/007.100; 435/069.100; 435/183.000; 536/023.100;
530/350.000; 435/320.100; 435/325.000
IC [7]
ICM: A61K031-00
ICS: C12Q001-68; G01N033-53; C07H021-04; C12N009-00; C07K014-435;
C12N005-06
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> S ephrin-B3 OR ephrinB3
51 FILES SEARCHED...
L6 335 EPHRIN-B3 OR EPHRINB3

=> DUP REM L6
DUPLICATE IS NOT AVAILABLE IN 'ADISINSIGHT, ADISNEWS, BIOCOMMERCE, DGENE,
DRUGMONOG2, FEDRIP, FOREGE, GENBANK, IMSPRODUCT, IMSRESEARCH, KOSMET,
MEDICONF, NUTRACEUT, PCTGEN, PHAR, PHARMAML, PROUSDDR, RDISCLOSURE, SYNTHLINE'.
ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE
PROCESSING COMPLETED FOR L6
L7 159 DUP REM L6 (176 DUPLICATES REMOVED)

=> D L7 1-159

L7 ANSWER 1 OF 159 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2004:355085 CAPLUS
DN 140:369944
TI Human tissue-specific housekeeping genes identified by expression
profiling
IN Aburatani, Hiroyuki; Yamamoto, Shogo
PA NGK Insulators, Ltd., Japan
SO PCT Int. Appl., 372 pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004035785	A1	20040429	WO 2002-JP10753	20021016
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			

PRAI WO 2002-JP10753 20021016
RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 2 OF 159 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2004:204003 CAPLUS
DN 140:248255
TI Synovial sarcoma up-regulated gene FZD10 (Frizzled homolog 10) and other

IN Nakamura, Yusuke; Katagiri, Toyomasa
PA Oncotherapy Science, Inc., Japan; Japan as Represented by President of the
University of Tokyo
SO PCT Int. Appl., 143 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004020668	A2	20040311	WO 2003-JP10591	20030821
	WO 2004020668	A3	20040617		
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
PRAI	US 2002-407506P	P	20020830		
	US 2003-486195P	P	20030711		

L7 ANSWER 3 OF 159 USPATFULL on STN
AN 2004:233749 USPATFULL
TI Novel agents that modulate Eph receptor activity
IN Pasquale, Elena B., San Diego, CA, UNITED STATES
Koolpe, Mitchell, San Diego, CA, UNITED STATES
Mural, Keith K., Candiac, CANADA

PI US 2004180823 A1 20040916
AI US 2003-652407 A1 20030829 (10)
PRAI US 2002-413242P 20020924 (60)

DT Utility
FS APPLICATION

LN.CNT 3175

INCL INCLM: 514/012.000

INCLS: 530/350.000

NCL NCLM: 514/012.000

NCLS: 530/350.000

IC [7]

ICM: A61K038-17

ICS: C07K014-705

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 4 OF 159 USPATFULL on STN
AN 2004:233299 USPATFULL
TI Genetic diagnosis of alcoholism subtypes
IN Tabakoff, Boris, Denver, CO, UNITED STATES
Martinez, Larry, Colorado Springs, CO, UNITED STATES
Hoffman, Paula, Denver, CO, UNITED STATES

PA THE REGENTS OF THE UNIVERSITY OF COLORADO, a body corporate, Boulder, CA
(U.S. corporation)

PI US 2004180370 A1 20040916
AI US 2004-766590 A1 20040127 (10)
PRAI US 2003-443072P 20030127 (60)

DT Utility
FS APPLICATION

LN.CNT 3517

INCL INCLM: 435/006.000

INCLS: 435/091.200

NCL NCLM: 435/006.000

NCLS: 435/091.200

IC [7]

ICM: C12Q001-68

ICS: C12P019-34

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 5 OF 159 USPATFULL on STN
AN 2004:196424 USPATFULL
TI Lectin compositions and methods for modulating an immune response to an
antigen
IN Segal, Andrew H., Boston, MA, UNITED STATES

PA Genitrix, LLC (U.S. corporation)
 PI US 2004151728 A1 20040805
 AI US 2003-666834 A1 20030919 (10)
 RLI Division of Ser. No. US 2003-645000, filed on 20 Aug 2003, PENDING
 PRAI US 2002-404823P 20020820 (60)
 US 2003-487407P 20030715 (60)
 DT Utility
 FS APPLICATION
 LN.CNT 39129
 INCL INCLM: 424/184.100
 INCLS: 424/199.100; 424/200.100; 530/395.000
 NCL NCLM: 424/184.100
 NCLS: 424/199.100; 424/200.100; 530/395.000
 IC [7]
 ICM: A61K039-00
 ICS: A61K039-12; A61K039-02
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 6 OF 159 USPATFULL on STN
 AN 2004:177819 USPATFULL
 TI Methods for inhibiting angiogenesis by EphB receptor antagonists
 IN Aguet, Michel, Lutry, SWITZERLAND
 PI US 2004136983 A1 20040715
 AI US 2004-770543 A1 20040202 (10)
 RLI Division of Ser. No. US 1999-442898, filed on 18 Nov 1999, ABANDONED
 PRAI US 1998-109275P 19981120 (60)
 DT Utility
 FS APPLICATION
 LN.CNT 1952
 INCL INCLM: 424/143.100
 NCL NCLM: 424/143.100
 IC [7]
 ICM: A61K039-395
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 7 OF 159 USPATFULL on STN
 AN 2004:172470 USPATFULL
 TI Compositions and methods for regulating the kinase domain of receptor tyrosine kinases
 IN Sicheri, Frank, Toronto, CANADA
 Wybenga-Groot, Leanne, Etobicoke, CANADA
 Pawson, Tony, Toronto, CANADA
 PI US 2004132634 A1 20040708
 AI US 2004-470840 A1 20040217 (10)
 WO 2002-CA114 20020131
 PRAI US 2001-60265510 20010131
 DT Utility
 FS APPLICATION
 LN.CNT 7170
 INCL INCLM: 514/001.000
 INCLS: 435/194.000; 702/019.000
 NCL NCLM: 514/001.000
 NCLS: 435/194.000; 702/019.000
 IC [7]
 ICM: A61K031-00
 ICS: G06F019-00; G01N033-48; G01N033-50; C12N009-12
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 8 OF 159 USPATFULL on STN
 AN 2004:165307 USPATFULL
 TI Lectin compositions and methods for modulating an immune response to an antigen
 IN Segal, Andrew H., Boston, MA, UNITED STATES
 Young, Elihu, Sharon, MA, UNITED STATES
 PA Genitrix, LLC (U.S. corporation)
 PI US 2004126793 A1 20040701
 AI US 2003-666885 A1 20030919 (10)
 RLI Division of Ser. No. US 2003-645000, filed on 20 Aug 2003, PENDING
 PRAI US 2002-404823P 20020820 (60)
 US 2003-487407P 20030715 (60)
 DT Utility
 FS APPLICATION
 LN.CNT 28979
 INCL INCLM: 435/006.000
 INCLS: 435/069.100; 435/320.100; 435/325.000; 435/419.000; 530/370.000;

NCL NCLM: 435/006.000
NCLS: 435/069.100; 435/320.100; 435/325.000; 435/419.000; 530/370.000;
530/395.000; 536/023.500

IC [7]
ICM: C12Q001-68
ICS: C07H021-04; C07K014-47; C07K014-415; C12N005-04

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 9 OF 159 USPATFULL on STN
AN 2004:164872 USPATFULL
TI Lectin compositions and methods for modulating an immune response to an antigen
IN Segal, Andrew H., Boston, MA, UNITED STATES
Young, Elihu, Sharon, MA, UNITED STATES
PA Genitrix, LLC (U.S. corporation)
PI US 2004126357 A1 20040701
AI US 2003-666886 A1 20030919 (10)
RLI Division of Ser. No. US 2003-645000, filed on 20 Aug 2003, PENDING
PRAI US 2002-404823P 20020820 (60)
US 2003-487407P 20030715 (60)
DT Utility
FS APPLICATION
LN.CNT 39007
INCL INCLM: 424/085.100
INCLS: 424/093.200; 424/185.100
NCL NCLM: 424/085.100
NCLS: 424/093.200; 424/185.100

IC [7]
ICM: A61K048-00
ICS: A61K039-00; A61K038-19
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 10 OF 159 USPATFULL on STN
AN 2004:133338 USPATFULL
TI Targets for therapeutic intervention identified in the mitochondrial proteome
IN Ghosh, Soumitra S., San Diego, CA, UNITED STATES
Fahy, Eoin D., San Diego, CA, UNITED STATES
Zhang, Bing, Spring, TX, UNITED STATES
Gibson, Bradford W., Berkeley, CA, UNITED STATES
Taylor, Steven W., San Diego, CA, UNITED STATES
Glenn, Gary M., Encinitas, CA, UNITED STATES
Warnock, Dale E., San Diego, CA, UNITED STATES
Gaucher, Sara P., Castro Valley, CA, UNITED STATES
PA MitoKor Inc., San Diego, CA, UNITED STATES, 92121 (U.S. corporation)
The Buck Institute for Age Research, Novato, CA, UNITED STATES,
94948-0638 (U.S. corporation)
PI US 2004101874 A1 20040527
AI US 2003-408765 A1 20030404 (10)
PRAI US 2002-412418P 20020920 (60)
US 2002-389987P 20020617 (60)
US 2002-372843P 20020412 (60)

DT Utility
FS APPLICATION
LN.CNT 5998
INCL INCLM: 435/006.000
INCLS: 435/317.100
NCL NCLM: 435/006.000
NCLS: 435/317.100

IC [7]
ICM: C12Q001-68
ICS: C12N001-00
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 11 OF 159 USPATFULL on STN
AN 2004:101093 USPATFULL
TI Methods of diagnosis of bladder cancer, compositions and methods of screening for modulators of bladder cancer
IN Mack, David H., Menlo Park, CA, UNITED STATES
Aziz, Natasha, Palo Alto, CA, UNITED STATES
PA Eos Biotechnology, Inc., South San Francisco, CA, UNITED STATES,
94080-7019 (U.S. corporation)
PI US 2004076955 A1 20040422
AI US 2002-188832 A1 20020702 (10)
PRAI US 2002-372246P 20020412 (60)

US 2001-343705P 20011108 (60)
US 2001-310099P 20010803 (60)
US 2001-302814P 20010703 (60)
DT Utility
FS APPLICATION
LN.CNT 27357
INCL INCLM: 435/006.000
INCLS: 435/069.100; 435/320.100; 435/325.000; 530/350.000; 536/023.500
NCL NCLM: 435/006.000
NCLS: 435/069.100; 435/320.100; 435/325.000; 530/350.000; 536/023.500
IC [7]
ICM: C12Q001-68
ICS: C07H021-04; C12P021-02; C12N005-06; C07K014-47
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 12 OF 159 USPATFULL on STN
AN 2004:76614 USPATFULL
TI Use of novel stem cell markers for isolation of intestinal stem cells,
and use of the intestinal stem cells thus obtained for the preparation
of a therapeutical composition
IN Clevers, Johannes Carolus, Huis Ter Heide, NETHERLANDS
Gomez, Eduard Batlle, Utrecht, NETHERLANDS
Van De Wetering, Marcus Lambertus, Houten, NETHERLANDS
Suijs, Elena Sancho, Utrecht, NETHERLANDS
PA Kylix B.V., Driebergen, NETHERLANDS, NL-3971 JD (non-U.S. corporation)
PI US 2004058392 A1 20040325
AI US 2002-246786 A1 20020917 (10)
PRAI EP 2002-78917 20020917
DT Utility
FS APPLICATION
LN.CNT 646
INCL INCLM: 435/007.200
INCLS: 435/366.000
NCL NCLM: 435/007.200
NCLS: 435/366.000
IC [7]
ICM: C12Q001-68
ICS: G01N033-53; G01N033-567; C12N005-08
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 13 OF 159 USPATFULL on STN
AN 2004:2047 USPATFULL
TI Breast cancer progression signatures
IN Erlander, Mark G., Encinitas, CA, UNITED STATES
Ma, Xia-Jun, San Diego, CA, UNITED STATES
Sgroi, Dennis C., Winchester, MA, UNITED STATES
PI US 2004002067 A1 20040101
AI US 2001-28018 A1 20011221 (10)
DT Utility
FS APPLICATION
LN.CNT 5596
INCL INCLM: 435/006.000
INCLS: 435/287.200; 702/020.000
NCL NCLM: 435/006.000
NCLS: 435/287.200; 702/020.000
IC [7]
ICM: C12Q001-68
ICS: G06F019-00; G01N033-48; G01N033-50; C12M001-34
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 14 OF 159 USPATFULL on STN
AN 2004:103677 USPATFULL
TI Single nucleotide polymorphisms in genes
IN Lander, Eric S., Cambridge, MA, United States
Cargill, Michele, Gaithersburg, MD, United States
Ireland, James S., Gaithersburg, MD, United States
Bolk, Stacey, West Roxbury, MA, United States
Daley, George Q., Weston, MA, United States
McCarthy, Jeanette J., San Diego, CA, United States
PA Millennium Pharmaceuticals, Inc., Cambridge, MA, United States (U.S.
corporation)
Whitehead Institute for Biomedical Research, Cambridge, MA, United
States (U.S. corporation)
PI US 6727063 B1 20040427
AI US 2000-657472 20000907 (9)

US 2000-225724P 20000816 (60)
US 1999-153357P 19990910 (60)
DT Utility
FS GRANTED
LN.CNT 14015
INCL INCLM: 435/006.000
INCLS: 435/091.100; 435/091.200
NCL NCLM: 435/006.000
NCLS: 435/091.100; 435/091.200
IC [7]
ICM: C12Q001-68
ICS: C12P019-34
EXF 435/6; 435/91.1; 435/91.2; 536/23.1; 536/24.3
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 15 OF 159 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS
RESERVED. on STN
AN 2004382596 EMBASE
TI Favorable neuroblastoma genes and molecular therapeutics of neuroblastoma.
AU Tang X.X.; Robinson M.E.; Riceberg J.S.; Kim D.Y.; Kung B.; Titus T.B.;
Hayashi S.; Flake A.W.; Carpentieri D.; Ikegaki N.
CS N. Ikegaki, Division of Hematology/Oncology, Department of Pediatrics,
Emory University School of Medicine, 2040 Ridgewood Drive NE, Atlanta, GA
30322, United States. nao_ikegaki@oz.ped.emory.edu
SO Clinical Cancer Research, (1 Sep 2004) 10/17 (5837-5844).
Refs: 16
ISSN: 1078-0432 CODEN: CCREF4
CY United States
DT Journal; Article
FS 005 General Pathology and Pathological Anatomy
008 Neurology and Neurosurgery
016 Cancer
037 Drug Literature Index
LA English
SL English

L7 ANSWER 16 OF 159 SCISEARCH COPYRIGHT (c) 2004 The Thomson Corporation.
on STN
AN 2004:521594 SCISEARCH
GA The Genuine Article (R) Number: 823ZZ
TI Rescuing transient corticospinal terminations and promoting growth with
corticospinal stimulation in kittens
AU Salimi I; Martin J H (Reprint)
CS Columbia Univ, Ctr Neurobiol & Behav, New York State Psychiat Inst, 1051
Riverside Dr, New York, NY 10032 USA (Reprint); Columbia Univ, Ctr
Neurobiol & Behav, New York State Psychiat Inst, New York, NY 10032 USA
CYA USA
SO JOURNAL OF NEUROSCIENCE, (26 MAY 2004) Vol. 24, No. 21, pp. 4952-4961.
Publisher: SOC NEUROSCIENCE, 11 DUPONT CIRCLE, NW, STE 500, WASHINGTON, DC
20036 USA.
ISSN: 0270-6474.
DT Article; Journal
LA English
REC Reference Count: 40
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L7 ANSWER 17 OF 159 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS
RESERVED. on STN
AN 2004413235 EMBASE
TI Identification of tissue-restricted transcripts in human islets.
AU Maffei A.; Liu Z.; Witkowski P.; Moschella F.; Del Pozzo G.; Liu E.;
Herold K.; Winchester R.J.; Hardy M.A.; Harris P.E.
CS Dr. P.E. Harris, Department of Medicine BB 20-06, Columbia University,
College of Physicians and Surgeons, 650 West 168th Street, New York, NY
10032, Italy. pehl@columbia.edu
SO Endocrinology, (2004) 145/10 (4513-4521).
Refs: 64
ISSN: 0013-7227 CODEN: ENDOAO
CY United States
DT Journal; Article
FS 003 Endocrinology
022 Human Genetics
029 Clinical Biochemistry
LA English
SL English

L7 ANSWER 18 OF 159 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on
 STN DUPLICATE 1
 AN 2004:192651 BIOSIS
 DN PREV200400180545
 TI Abnormal hippocampal axon bundling in EphB receptor mutant mice.
 AU Chen, Zhi-Yong; Sun, Chunhua; Reuhl, Kenneth; Bergemann, Andrew;
 Henkemeyer, Mark; Zhou, Renping [Reprint Author]
 CS Department of Chemical Biology, College of Pharmacy, Rutgers University,
 Piscataway, NJ, 08854, USA
 rzhou@rci.rutgers.edu
 SO Journal of Neuroscience, (March 10 2004) Vol. 24, No. 10, pp. 2366-2374.
 print.
 ISSN: 0270-6474 (ISSN print).
 DT Article
 LA English
 ED Entered STN: 7 Apr 2004
 Last Updated on STN: 7 Apr 2004

L7 ANSWER 19 OF 159 MEDLINE on STN
 AN 2004233594 MEDLINE
 DN PubMed ID: 15124102
 TI Mutations of the ephrin-B1 gene cause craniofrontonasal syndrome.
 AU Wieland Ilse; Jakubiczka Sibylle; Muschke Petra; Cohen Monika; Thiele
 Hannelore; Gerlach Klaus L; Adams Ralf H; Wieacker Peter
 CS Institut fur Humangenetik, Otto-von-Guericke-Universitat Magdeburg, 39120
 Magdeburg, Germany.
 SO American journal of human genetics, (2004 Jun) 74 (6) 1209-15.
 Journal code: 0370475. ISSN: 0002-9297.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 OS GENBANK-XM038809
 EM 200407
 ED Entered STN: 20040511
 Last Updated on STN: 20040707
 Entered Medline: 20040706

L7 ANSWER 20 OF 159 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on
 STN
 AN 2004:316085 BIOSIS
 DN PREV200400316690
 TI Invasiveness of breast carcinoma cells and transcript profile: Eph
 receptors and ephrin ligands as molecular markers of potential diagnostic
 and prognostic application.
 AU Fox, Brian P.; Kandpal, Raj P. [Reprint Author]
 CS Dept Biol Sci, Fordham Univ, Bronx, NY, 10458, USA
 kandpal@fordham.edu
 SO Biochemical and Biophysical Research Communications, (June 11 2004) Vol.
 318, No. 4, pp. 882-892. print.
 CODEN: BBRCA9. ISSN: 0006-291X.
 DT Article
 LA English
 ED Entered STN: 15 Jul 2004
 Last Updated on STN: 15 Jul 2004

L7 ANSWER 21 OF 159 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS
 RESERVED. on STN
 AN 2004385354 EMBASE
 TI Ephrin signaling in axon guidance.
 AU Huot J.
 CS Canada. Jacques.Huot@phc.ulaval.ca
 SO Progress in Neuro-Psychopharmacology and Biological Psychiatry, (2004)
 28/5 (813-818).
 Refs: 24
 ISSN: 0278-5846 CODEN: PNPPD7
 S 0278-5846(04)00082-X
 CY United States
 DT Journal; General Review
 FS 008 Neurology and Neurosurgery
 029 Clinical Biochemistry
 LA English
 SL English

L7 ANSWER 22 OF 159 CAPLUS COPYRIGHT 2004 ACS on STN

DN 140:301431
TI Differential gene expression of Eph receptors and ephrins in benign human tissues and cancers
AU Hafner, Christian; Schmitz, Gerd; Meyer, Stefanie; Bataille, Frauke; Hau, Peter; Langmann, Thomas; Dietmaier, Wolfgang; Landthaler, Michael; Vogt, Thomas
CS Department of Dermatology, University of Regensburg, Regensburg, Germany
SO Clinical Chemistry (Washington, DC, United States) (2004), 50(3), 490-499
CODEN: CLCHAU; ISSN: 0009-9147
PB American Association for Clinical Chemistry
DT Journal
LA English
RE.CNT 40 THERE ARE 40 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 23 OF 159 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS RESERVED. on STN
AN 2004190550 EMBASE
TI Eph-ephrin promiscuity is now crystal clear.
AU Pasquale E.B.
CS E.B. Pasquale, Burnham Institute, San Diego, CA 92037, United States. elenap@burnham.org
SO Nature Neuroscience, (2004) 7/5 (417-418).
Refs: 15
ISSN: 1097-6256 CODEN: NANEFN
CY United States
DT Journal; (Short Survey)
FS 008 Neurology and Neurosurgery
029 Clinical Biochemistry
LA English
SL English

L7 ANSWER 24 OF 159 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS RESERVED. on STN
AN 2004407732 EMBASE
TI Ephrins and their receptors: Binding versus biology.
AU Blits-Huizinga C.T.; Nellersa C.M.; Malhotra A.; Liebl D.J.
CS D.J. Liebl, Miami Project to Cure Paralysis, Univ. of Miami School of Medicine, 1095 NW 14th Terrace, Miami, FL 33136, United States. dliebl@miami.edu
SO IUBMB Life, (2004) 56/5 (257-265).
Refs: 49
ISSN: 1521-6543 CODEN: IULIF8
CY United States
DT Journal; General Review
FS 008 Neurology and Neurosurgery
021 Developmental Biology and Teratology
029 Clinical Biochemistry
LA English
SL English

L7 ANSWER 25 OF 159 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on STN DUPLICATE 2
AN 2004:321300 BIOSIS
DN PREV200400319321
TI Intramembrane cleavage of ***ephrinB3*** by the human rhomboid family protease, RHBDL2.
AU Pascall, John C.; Brown, Kenneth D. [Reprint Author]
CS Signalling Programme, Babraham Inst, Babraham Hall, Cambridge, CB2 4AT, England
ken.brown@bbsrc.ac.uk
SO Biochemical and Biophysical Research Communications, (April 23 2004) Vol. 317, No. 1, pp. 244-252. print.
CODEN: BBRCA9. ISSN: 0006-291X.
DT Article
LA English
ED Entered STN: 21 Jul 2004
Last Updated on STN: 21 Jul 2004

L7 ANSWER 26 OF 159 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS RESERVED. on STN
AN 2004065640 EMBASE
TI Ganglion cell axon pathfinding in the retina and optic nerve.
AU Oster S.F.; Deiner M.; Birgbauer E.; Sretavan D.W.
CS D.W. Sretavan, Depts. of Ophthalmol. and Physiology, Programs Neurosci.

SO Francisco, CA 94143, United States. dws@itsa.ucsf.edu
 Seminars in Cell and Developmental Biology, (2004) 15/1 (125-136).
 Refs: 82
 ISSN: 1084-9521 CODEN: SCDBFX
 CY United Kingdom
 DT Journal; General Review
 FS 008 Neurology and Neurosurgery
 012 Ophthalmology
 021 Developmental Biology and Teratology
 029 Clinical Biochemistry
 LA English
 SL English

L7 ANSWER 27 OF 159 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS
 RESERVED. on STN
 AN 2003509599 EMBASE
 TI EphB4 signaling is capable of mediating ephrinB2-induced inhibition of
 cell migration.
 AU Sturz A.; Bader B.; Thierauch K.-H.; Glienke J.
 CS J. Glienke, Research Laboratories of Schering AG, Berlin, Germany.
 jens.glienke@schering.de
 SO Biochemical and Biophysical Research Communications, (2 Jan 2004) 313/1
 (80-88).
 Refs: 21
 ISSN: 0006-291X CODEN: BBRCA
 CY United States
 DT Journal; Article
 FS 029 Clinical Biochemistry
 LA English
 SL English

L7 ANSWER 28 OF 159 CAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 3
 AN 2003:1012729 CAPLUS
 DN 140:196856
 TI Hippocampal plasticity requires postsynaptic ephrinBs
 AU Grunwald, Ilona C.; Korte, Martin; Adelmann, Giselinde; Plueck, Anne;
 Kullander, Klas; Adams, Ralf H.; Frotscher, Michael; Bonhoeffer, Tobias;
 Klein, Ruediger
 CS Department of Molecular Neurobiology, Max-Planck Institute of
 Neurobiology, Munich-Martinsried, 82152, Germany
 SO Nature Neuroscience (2004), 7(1), 33-40
 CODEN: NANEFN; ISSN: 1097-6256
 PB Nature Publishing Group
 DT Journal
 LA English
 RE.CNT 38 THERE ARE 38 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 29 OF 159 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on
 STN
 AN 2004:292476 BIOSIS
 DN PREV200400291958
 TI Genes that Influence Acute Ethanol Tolerance.
 AU Hudson, Holly R [Reprint Author]; Bhawe, Sanjiv V; Tabakoff, Boris;
 Hoffman, Paula L
 CS Pharmacology, University of Colorado Health Sciences Center, 4200 E. Ninth
 Ave., Box C-236, Denver, CO, 80262, USA
 holly.hudson@uchsc.edu
 SO FASEB Journal, (2004) Vol. 18, No. 4-5, pp. Abst. 161.12.
<http://www.fasebj.org/. e-file>.
 Meeting Info.: FASEB Meeting on Experimental Biology: Translating the
 Genome. Washington, District of Columbia, USA. April 17-21, 2004. FASEB.
 ISSN: 0892-6638 (ISSN print).
 DT Conference; (Meeting)
 Conference; Abstract; (Meeting Abstract)
 LA English
 ED Entered STN: 23 Jun 2004
 Last Updated on STN: 23 Jun 2004

L7 ANSWER 30 OF 159 DISSABS COPYRIGHT (C) 2004 ProQuest Information and
 Learning Company; All Rights Reserved on STN
 AN 2004:48564 DISSABS Order Number: AAI3118187
 TI Ephrins and Eph receptors participate in spinal cord development and
 injury responses in the adult
 AU Bundesen, Liza Q. [Ph.D.]; Kromer, Lawrence F. [advisor]; Bregman, Barbara

CS Georgetown University Medical Center (0544)
SO Dissertation Abstracts International, (2003) Vol. 64, No. 12B, p. 5947.
Order No.: AAI3118187. 296 pages.
DT Dissertation
FS DAI
LA English
ED Entered STN: 20040902
Last Updated on STN: 20040902

L7 ANSWER 31 OF 159 CAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 4
AN 2003:42302 CAPLUS
DN 138:105633
TI Tie-Fc and Ephrin-Fc fusion proteins for screening therapeutic capable of
modulating growth, migration and proliferation of endothelial cells and
treating cancers
IN Alitalo, Kari; Kubo, Hajime
PA Licentia Ltd., Finland
SO PCT Int. Appl., 200 pp.
CODEN: PIXXD2

DT Patent
LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003004529	A2	20030116	WO 2002-IB2524	20020702
	WO 2003004529	A3	20040610		
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
PRAI	US 2001-302960P	P	20010702		

L7 ANSWER 32 OF 159 USPATFULL on STN
AN 2003:250468 USPATFULL
TI Compositions and methods for diagnosing and treating mental disorders
IN Akil, Huda, Ann Arbor, MI, UNITED STATES
Bunney, William E., Laguna Beach, CA, UNITED STATES
Burke, Sharon, Ann Arbor, MI, UNITED STATES
Choudary, Prabhakara V., Davis, CA, UNITED STATES
Cox, David R., Belmont, CA, UNITED STATES
Evans, Simon, Milan, MI, UNITED STATES
Jones, Edward G., Winters, CA, UNITED STATES
Li, Jun, Palo Alto, CA, UNITED STATES
Lopez, Juan F., Ann Arbor, MI, UNITED STATES
Myers, Richard M., Stanford, CA, UNITED STATES
Thompson, Robert, Ann Arbor, MI, UNITED STATES
Vawter, Marquis P., Laguna Niguel, CA, UNITED STATES
Watson, Stanley J., Ann Arbor, MI, UNITED STATES

PJ US 2003175253 A1 20030918
AI US 2002-293582 A1 20021112 (10)
PRAI US 2001-339252P 20011109 (60)

DT Utility
FS APPLICATION

LN.CNT 5118

INCL INCLM: 424/093.210

INCLS: 435/006.000

NCL NCLM: 424/093.210

NCLS: 435/006.000

IC [7]

ICM: C12Q001-68

ICS: A61K048-00

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 33 OF 159 USPATFULL on STN
AN 2003:225900 USPATFULL
TI Methods for determining cell responses through EphB receptors
IN Daniel, Thomas O., Nashville, TN, UNITED STATES
Stein, Elke, San Francisco, CA, UNITED STATES

AI US 2003-420029 A1 20030417 (10)
RLI Division of Ser. No. US 2000-485653, filed on 14 Feb 2000, GRANTED, Pat.
No. US 6555321 A 371 of International Ser. No. WO 1998-US17157, filed on
19 Aug 1998, PENDING
PRAI US 1997-56164P 19970819 (60)
DT Utility
FS APPLICATION
LN.CNT 2651
INCL INCLM: 435/366.000
INCLS: 435/368.000
NCL NCLM: 435/366.000
NCLS: 435/368.000
IC [7]
ICM: C12N005-08

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 34 OF 159 USPATFULL on STN
AN 2003:220740 USPATFULL
TI Methods and compositions for diagnosing and treating rheumatoid
arthritis
IN Pittman, Debra D., Windham, NH, UNITED STATES
Feldman, Jeffrey L., Arlington, MA, UNITED STATES
Shields, Kathleen M., Harvard, MA, UNITED STATES
Trepicchio, William L., Andover, MA, UNITED STATES
PI US 2003154032 A1 20030814
AI US 2001-23451 A1 20011217 (10)
PRAI US 2000-255861P 20001215 (60)
DT Utility
FS APPLICATION
LN.CNT 25385
INCL INCLM: 702/020.000
NCL NCLM: 702/020.000
IC [7]
ICM: G06F019-00
ICS: G01N033-48

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 35 OF 159 USPATFULL on STN
AN 2003:120026 USPATFULL
TI Identification of modulatory molecules using inducible promoters
IN Brown, Steven J., San Diego, CA, UNITED STATES
Dunnington, Damien J., San Diego, CA, UNITED STATES
Clark, Imran, San Diego, CA, UNITED STATES
PI US 2003082511 A1 20030501
AI US 2001-965201 A1 20010925 (9)
DT Utility
FS APPLICATION
LN.CNT 5526
INCL INCLM: 435/004.000
INCLS: 435/006.000
NCL NCLM: 435/004.000
NCLS: 435/006.000
IC [7]
ICM: C12Q001-00
ICS: C12Q001-68

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 36 OF 159 USPATFULL on STN
AN 2003:30255 USPATFULL
TI B-ephrin regulation of G-protein coupled chemoattraction, compositions,
and methods of use
IN Flanagan, John G., Newton, MA, UNITED STATES
Lu, Qiang, Brookline, MA, UNITED STATES
Sun, Edna E., Brookline, MA, UNITED STATES
PI US 2003022202 A1 20030130
AI US 2002-113794 A1 20020401 (10)
PRAI US 2001-280260P 20010330 (60)
DT Utility
FS APPLICATION
LN.CNT 1905
INCL INCLM: 435/006.000
INCLS: 435/069.100; 435/320.100; 435/254.200; 435/368.000; 435/196.000;
536/023.200
NCL NCLM: 435/006.000
NCLS: 435/069.100; 435/320.100; 435/254.200; 435/368.000; 435/196.000;

IC [7]
ICM: C12Q001-68
ICS: C07H021-04; C12P021-02; C12N001-18; C12N009-16; C12N005-08
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 37 OF 159 USPATFULL on STN
AN 2003:115716 USPATFULL
TI Methods for determining cell responses through EphB receptors
IN Daniel, Thomas O., Nashville, TN, United States
Stein, Elke, San Francisco, CA, United States
PA Vanderbilt University, Nashville, TN, United States (U.S. corporation)
PI US 6555321 B1 20030429
WO 9908696 19990225
AI US 2000-485653 20000214 (9)
WO 1998-US17157 19980819
PRAI US 1997-56164P 19970819 (60)
DT Utility
FS GRANTED
LN.CNT 2362
INCL INCLM: 435/007.100
INCLS: 435/007.200; 435/007.210; 435/007.800; 435/334.000
NCL NCLM: 435/007.100
NCLS: 435/007.200; 435/007.210; 435/007.800; 435/334.000
IC [7]
ICM: G01N033-53
ICS: G01N033-567; C12N005-06
EXF 435/7.1; 435/7.21; 435/7.8; 435/7.2; 435/334
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 38 OF 159 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on
STN DUPLICATE 5
AN 2004:64011 BIOSIS
DN PREV200400065498
TI Mouse ***ephrinB3*** augments T-cell signaling and responses to T-cell
receptor ligation.
AU Yu, Guang; Luo, Hongyu; Wu, Yulian; Wu, Jiangping [Reprint Author]
CS Laboratory of Immunology, Research Centre, Notre Dame Hospital, CHUM, 1560
Sherbrooke St. East, Pavilion DeSeve, Room Y-5616, Montreal, PQ, H2L 4M1,
Canada
jianping.wu@umontreal.ca
SO Journal of Biological Chemistry, (November 21 2003) Vol. 278, No. 47, pp.
47209-47216. print.
CODEN: JBCHA3. ISSN: 0021-9258.
DT Article
LA English
ED Entered STN: 28 Jan 2004
Last Updated on STN: 28 Jan 2004

L7 ANSWER 39 OF 159 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on
STN DUPLICATE 6
AN 2003:314321 BIOSIS
DN PREV200300314321
TI Selective breeding, quantitative trait locus analysis, and gene arrays
identify candidate genes for complex drug-related behaviors.
AU Tabakoff, Boris [Reprint Author]; Bhawe, Sanjiv V.; Hoffman, Paula L.
CS Department of Pharmacology, University of Colorado Health Sciences Center,
4200 East Ninth Avenue, C-236, Denver, CO, 80262, USA
boris.tabakoff@uchsc.edu
SO Journal of Neuroscience, (June 1 2003) Vol. 23, No. 11, pp. 4491-4498.
print.
ISSN: 0270-6474 (ISSN print).
DT Article
LA English
ED Entered STN: 9 Jul 2003
Last Updated on STN: 9 Jul 2003

L7 ANSWER 40 OF 159 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on
STN DUPLICATE 7
AN 2004:30990 BIOSIS
DN PREV200400023575
TI Human dendritic cells express neuronal Eph receptor tyrosine kinases: Role
of EphA2 in regulating adhesion to fibronectin.
AU de Saint-Vis, Blandine [Reprint Author]; Bouchet, Caroline; Gautier,
Gregory; Valladeau, Jenny; Caux, Christophe; Garrone, Pierre
CS Laboratory for Immunological Research, Schering-Plough, 27 Chemin des

SO blaendine.de.saint.vis@spscorp.com
 Blood, (December 15 2003) Vol. 102, No. 13, pp. 4431-4440. print.
 CODEN: BLOOAW. ISSN: 0006-4971.
 DT Article
 LA English
 ED Entered STN: 31 Dec 2003
 Last Updated on STN: 31 Dec 2003

L7 ANSWER 41 OF 159 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on
 STN DUPLICATE 8
 AN 2003:542402 BIOSIS
 DN PREV200300543738
 TI Ephrin B1 is expressed on human luteinizing granulosa cells in corpora
 lutea of the early luteal phase: The possible involvement of the B class
 Eph-ephrin system during corpus luteum formation.
 AU Egawa, Miho; Yoshioka, Shinya; Higuchi, Toshihiro; Sato, Yukiyasu;
 CS Tatsumi, Keiji; Fujiwara, Hiroshi [Reprint Author]; Fujii, Shingo
 Department of Gynecology and Obstetrics, Faculty of Medicine, Kyoto
 University, Sakyo-ku, Kyoto, 606-8507, Japan
 fuji@kuhp.kyoto-u.ac.jp
 SO Journal of Clinical Endocrinology & Metabolism, (September 2003) Vol. 88,
 No. 9, pp. 4384-4392. print.
 ISSN: 0021-972X (ISSN print).
 DT Article
 LA English
 ED Entered STN: 19 Nov 2003
 Last Updated on STN: 19 Nov 2003

L7 ANSWER 42 OF 159 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on
 STN DUPLICATE 9
 AN 2003:185723 BIOSIS
 DN PREV200300185723
 TI Role of EphA4 and ***ephrinB3*** in local neuronal circuits that
 control walking.
 AU Kullander, Klas [Reprint Author]; Butt, Simon J. B.; Lebrecht, James M.;
 Lundfald, Line; Restrepo, Carlos E.; Rydstrom, Anna; Klein, Ruediger;
 CS Kiehn, Ole
 Department of Medical Biochemistry, Gothenburg University, Medicinaregatan
 9 A, 405 30, Gothenburg, Sweden
 klas.kullander@medkem.gu.se; ole.kiehn@neuro.ki.se
 SO Science (Washington D C), (21 March 2003) Vol. 299, No. 5614, pp.
 1889-1892. print.
 ISSN: 0036-8075 (ISSN print).
 DT Article
 LA English
 ED Entered STN: 16 Apr 2003
 Last Updated on STN: 16 Apr 2003

L7 ANSWER 43 OF 159 BIOTECHNO COPYRIGHT 2004 Elsevier Science B.V. on STN
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 AN 2003:37215108 BIOTECHNO
 TI Analysis of EphB receptors and their ligands in the developing
 retinocollicular system of the wallaby reveals dynamic patterns of
 expression in the retina
 AU Vidovic M.; Marotte L.R.
 CS Dr. L.R. Marotte, Developmental Biology Group, Res. School of Biological
 Sciences, Australian National University, Canberra, ACT 0200, Australia.
 E-mail: marotte@rsbs.anu.edu.au
 SO European Journal of Neuroscience, (2003), 18/6 (1549-1558), 54
 reference(s)
 CODEN: EJONEI ISSN: 0953-816X
 DT Journal; Article
 CY United Kingdom
 LA English
 SL English

L7 ANSWER 44 OF 159 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on
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 AN 2004:60539 BIOSIS
 DN PREV200400048109
 TI Multiple EphB receptor tyrosine kinases shape dendritic spines in the
 hippocampus.
 AU Henkemeyer, Mark; Itkis, Olga S.; Ngo, Michelle; Hickmott, Peter W.;
 Ethell, Iryna M. [Reprint Author]
 CS Division of Biomedical Sciences, University of California Riverside,

iryna.ethell@ucr.edu
 SO Journal of Cell Biology, (December 22 2003) Vol. 163, No. 6, pp. 1313-1326. print.
 CODEN: JCLBA3. ISSN: 0021-9525.
 DT Article
 LA English
 ED Entered STN: 21 Jan 2004
 Last Updated on STN: 21 Jan 2004

L7 ANSWER 45 OF 159 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on STN DUPLICATE 11
 AN 2004:120204 BIOSIS
 DN PREV200400122589
 TI Expression of ephrin-B1 in hepatocellular carcinoma: Possible involvement in neovascularization.
 AU Sawai, Yoshiyuki; Tamura, Shinji [Reprint Author]; Fukui, Koji; Ito, Nobuyuki; Imanaka, Kazuho; Saeki, Ayuko; Sakuda, Shigeru; Kiso, Shinichi; Matsuzawa, Yuji
 CS Department of Internal Medicine and Molecular Science, Graduate School of Medicine, Medical School, Osaka University, 2-2 Yamadaoka, Suita, Osaka, 565-0871, Japan
 tamuras@imed2.med.osaka-u.ac.jp
 SO Journal of Hepatology, (December 2003) Vol. 39, No. 6, pp. 991-996. print.
 ISSN: 0168-8278 (ISSN print).
 DT Article
 LA English
 ED Entered STN: 3 Mar 2004
 Last Updated on STN: 3 Mar 2004

L7 ANSWER 46 OF 159 SCISEARCH COPYRIGHT (c) 2004 The Thomson Corporation. on STN
 AN 2003:809695 SCISEARCH
 GA The Genuine Article (R) Number: 721BA
 TI Generating X: Formation of the optic chiasm
 AU Rasband K; Hardy M; Chien C B (Reprint)
 CS Univ Utah, Med Ctr, Dept Neurobiol & Anat, Salt Lake City, UT 84132 USA (Reprint)
 CYA USA
 SO NEURON, (11 SEP 2003) Vol. 39, No. 6, pp. 885-888.
 Publisher: CELL PRESS, 1100 MASSACHUSETTS AVE, CAMBRIDGE, MA 02138 USA.
 ISSN: 0896-6273.
 DT General Review; Journal
 LA English
 REC Reference Count: 20
 ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L7 ANSWER 47 OF 159 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on STN
 AN 2004:134279 BIOSIS
 DN PREV200400132342
 TI Ephrin-B1 promotes neovascularization and invasion in hepatocellular carcinoma.
 AU Sawai, Yoshiyuki [Reprint Author]; Tamura, Shinji [Reprint Author]; Fukui, Koji [Reprint Author]; Ito, Nobuyuki; Imanaka, Kazuho [Reprint Author]; Saeki, Ayuko [Reprint Author]; Sakuda, Shigeru [Reprint Author]; Kiso, Shinichi [Reprint Author]; Matsuzawa, Yuji [Reprint Author]
 CS Graduate School of Medicine, Osaka University, Suita, Osaka, Japan
 SO Hepatology, (October 2003) Vol. 38, No. 4 Suppl. 1, pp. 760A-761A. print.
 Meeting Info.: 54th Annual Meeting of the American Association for the Study of Liver Diseases. Boston, MA, USA. October 24-28, 2003. American Association for the Study of Liver Diseases.
 ISSN: 0270-9139 (ISSN print).
 DT Conference; (Meeting)
 Conference; Abstract; (Meeting Abstract)
 LA English
 ED Entered STN: 10 Mar 2004
 Last Updated on STN: 10 Mar 2004

L7 ANSWER 48 OF 159 CAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 12
 AN 2003:710074 CAPLUS
 DN 140:334464
 TI Characterization of the kinase domain of the ***ephrin*** - ***B3*** receptor tyrosine kinase using a scintillation proximity assay
 AU Bembenek, Michael E.; Schmidt, Stephen; Li, Ping; Morawiak, Jennifer; Prack, Andrea; Jain, Sadhana; Roy, Rebecca; Parsons, Thomas; Chee, Linda

SO Assay and Drug Development Technologies (2003), 1(4), 555-563
CODEN: ADDTAR; ISSN: 1540-658X
PB Mary Ann Liebert, Inc.
DT Journal
LA English
RE.CNT 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 49 OF 159 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on
STN DUPLICATE 13
AN 2003:227583 BIOSIS
DN PREV200300227583
TI Expression profiling of osteosarcoma cells transfected with MDR1 and NEO
genes: Regulation of cell adhesion, apoptosis, and tumor
suppression-related genes.
AU Sanchez-Carbayo, Marta [Reprint Author]; Belbin, Thomas J.; Scotlandi,
Katia; Prystowsky, Michael; Baldini, Nicola; Childs, Geoffrey;
Cordon-Cardo, Carlos
CS Division of Molecular Pathology, Memorial Sloan-Kettering Cancer Center,
1275 York Avenue, New York, NY, 10021, USA
cordon-c@mskcc.org
SO Laboratory Investigation, (April 2003) Vol. 83, No. 4, pp. 507-517. print.
CODEN: LAINAW. ISSN: 0023-6837.
DT Article
LA English
ED Entered STN: 14 May 2003
Last Updated on STN: 30 Jun 2003

L7 ANSWER 50 OF 159 BIOTECHNO COPYRIGHT 2004 Elsevier Science B.V. on STN
DUPLICATE
AN 2003:37101136 BIOTECHNO
TI Physiological, anatomical and genetic identification of CPG neurons in
the developing mammalian spinal cord
AU Kiehn O.; Butt S.J.B.
CS O. Kiehn, Mammalian Locomotor Laboratory, Department of Neuroscience,
Karolinska Institutet, Retzius vag 8, 171 77 Stockholm, Sweden.
E-mail: ole.kiehn@neuro.ki.se
SO Progress in Neurobiology, (2003), 70/4 (347-361), 164 reference(s)
CODEN: PGNBA5 ISSN: 0301-0082
DT Journal; General Review
CY United Kingdom
LA English
SL English

L7 ANSWER 51 OF 159 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2003:1002152 CAPLUS
DN 141:81777
TI The efficacy of tyrosine kinase inhibitors on human pancreatic cancer cell
lines
AU Farivar, Robert Saeid; Gardner-Thorpe, James; Ito, Hiromichi; Arshad,
Hassan; Zinner, Michael J.; Ashley, Stanley W.; Whang, Edward E.
CS Department of Surgery, Brigham & Women's Hospital, Harvard Medical School,
Boston, MA, USA
SO Journal of Surgical Research (2003), 115(2), 219-225
CODEN: JSGRA2; ISSN: 0022-4804
PB Elsevier Science
DT Journal
LA English

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AN 2003184749 EMBASE
TI [Development and maturation of the pyramidal tract].
DEVELOPPEMENT ET MATURATION DU FAISCEAU PYRAMIDAL.
AU Kubis N.; Catala M.
CS M. Catala, Lab. d'Histologie et Embryologie, UMR CNRS 7000, Faculte
Medecine Pitie-Salpetriere, 105, boulevard de l'Hopital, 75631 Paris Cedex
13, France. catala@ext.jussieu.fr
SO Neurochirurgie, (2003) 49/2-3 II (145-153).
Refs: 36
ISSN: 0028-3770 CODEN: NUREB
CY France
DT Journal; Conference Article

008 Neurology and Neurosurgery --
021 Developmental Biology and Teratology

LA French
SL English; French

L7 ANSWER 53 OF 159 MEDLINE on STN
AN 2003166745 MEDLINE
DN PubMed ID: 12684184
TI Eph receptor deficiencies lead to altered cochlear function.
AU Howard MacKenzie A; Rodenas-Ruano Alma; Henkemeyer Mark; Martin Glen K;
Lonsbury-Martin Brenda L; Liebl Daniel J
CS Neuroscience Program, University of Miami School of Medicine, Miami, FL
33101-6960, USA.
NC DC00613 (NIDCD)
DC03114 (NIDCD)
SO Hearing research, (2003 Apr) 178 (1-2) 118-30.
Journal code: 7900445. ISSN: 0378-5955.
CY Netherlands
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200312
ED Entered STN: 20030410
Last Updated on STN: 20031217
Entered Medline: 20031211

L7 ANSWER 54 OF 159 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on
STN DUPLICATE 16
AN 2003:394402 BIOSIS
DN PREV200300394402
TI EphA4 provides repulsive signals to developing cochlear ganglion neurites
mediated through Ephrin-B2 and -B3.
AU Brors, Dominik; Bodmer, Daniel; Pak, Kwang; Aletsee, Christoph; Schafers,
Maria; Dazert, Stefan; Ryan, Allen F. [Reprint Author]
CS UCSD School of Medicine, 9500 Gilman Drive, No. 0666, La Jolla, CA, 92093,
USA
afryan@ucsd.edu
SO Journal of Comparative Neurology, (May 26 2003) Vol. 462, No. 1, pp.
90-100. print.
ISSN: 0021-9967 (ISSN print).
DT Article
LA English
ED Entered STN: 27 Aug 2003
Last Updated on STN: 27 Aug 2003

L7 ANSWER 55 OF 159 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on
STN DUPLICATE 17
AN 2003:273411 BIOSIS
DN PREV200300273411
TI Expression of Ephs and ephrins in developing mouse inner ear.
AU Pickles, James O. [Reprint Author]
CS Vision Touch and Hearing Research Centre, School of Biomedical Sciences,
University of Queensland, Brisbane, QLD, 4072, Australia
j.pickles@vthrc.uq.edu.au
SO Hearing Research, (April 2003) Vol. 178, No. 1-2, pp. 44-51. print.
ISSN: 0378-5955 (ISSN print).
DT Article
LA English
ED Entered STN: 11 Jun 2003
Last Updated on STN: 11 Jun 2003

L7 ANSWER 56 OF 159 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on
STN
AN 2003:73228 BIOSIS
DN PREV200300073228
TI mRNA expression of ephrins and Eph receptor tyrosine kinases in the
neonatal and adult mouse central nervous system.
AU Liebl, Daniel J. [Reprint Author]; Morris, Carol J.; Henkemeyer, Mark;
Parada, Luis F.
CS Miami Project to Cure Paralysis, University of Miami School of Medicine,
1095 NW 14th Terrace, Miami, FL, 33136, USA
dliebl@miami.edu
SO Journal of Neuroscience Research, (January 1 2003) Vol. 71, No. 1, pp.
7-22. print.
ISSN: 0360-4012 (ISSN print).

LA English
 ED Entered STN: 29 Jan 2003
 Last Updated on STN: 29 Jan 2003

L7 ANSWER 57 OF 159 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on STN
 AN 2003:554900 BIOSIS
 DN PREV200300552158
 TI SLIT AND EPHB AXON GUIDANCE MOLECULES IN OPTIC NERVE INJURY.
 AU Liu, X. [Reprint Author]; Ishimaru, T. [Reprint Author]; Sretavan, D. [Reprint Author]
 CS Ophthalmology and Physiology, University of California San Francisco, San Francisco, CA, USA
 SO ARVO Annual Meeting Abstract Search and Program Planner, (2003) Vol. 2003, pp. Abstract No. 5221. cd-rom.
 Meeting Info.: Annual Meeting of the Association for Research in Vision and Ophthalmology. Fort Lauderdale, FL, USA. May 04-08, 2003. Association for Research in Vision and Ophthalmology.
 DT Conference; (Meeting)
 Conference; (Meeting Poster)
 Conference; Abstract; (Meeting Abstract)
 LA English
 ED Entered STN: 26 Nov 2003
 Last Updated on STN: 26 Nov 2003

L7 ANSWER 58 OF 159 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on STN
 AN 2003:543156 BIOSIS
 DN PREV200300538665
 TI EPHRINA1 SIGNALING INHIBITS VEGF - INDUCED ERK1/2 PHOSPHORYLATION AND RETINAL ENDOTHELIAL CELL PROLIFERATION.
 AU Ojima, T. [Reprint Author]; Takagi, H. [Reprint Author]; Suzuma, K. [Reprint Author]; Oh, H. [Reprint Author]; Suzuma, I. [Reprint Author]; Ohashi, H. [Reprint Author]; Watanabe, D. [Reprint Author]; Suganami, E. [Reprint Author]; Honda, Y. [Reprint Author]
 CS Ophthalmology and Visual Sciences, Kyoto University Graduate School of Medicine, Kyoto, Japan
 SO ARVO Annual Meeting Abstract Search and Program Planner, (2003) Vol. 2003, pp. Abstract No. 2881. cd-rom.
 Meeting Info.: Annual Meeting of the Association for Research in Vision and Ophthalmology. Fort Lauderdale, FL, USA. May 04-08, 2003. Association for Research in Vision and Ophthalmology.
 DT Conference; (Meeting)
 Conference; Abstract; (Meeting Abstract)
 LA English
 ED Entered STN: 19 Nov 2003
 Last Updated on STN: 19 Nov 2003

L7 ANSWER 59 OF 159 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on STN
 AN 2003:580658 BIOSIS
 DN PREV200300571287
 TI INTRA-VILLOUS ADENOMAS IN THE DUODENUM OF PATIENTS WITH FAMILIAL ADENOMATOUS POLYPOSIS (FAP): IMPLICATIONS FOR THE ORIGINS OF ADENOMAS AND FOR THE RELEVANCE OF MOUSE MODELS FOR INTESTINAL NEOPLASIA.
 AU Novelli, Marco [Reprint Author]; Preston, Sean L. [Reprint Author]; Kyriakides, Evangelos [Reprint Author]; Oukrif, Dahmane [Reprint Author]; Tomlinson, Ian [Reprint Author]; Poulson, Richard [Reprint Author]; Wright, Nicholas A. [Reprint Author]
 CS London, UK
 SO Digestive Disease Week Abstracts and Itinerary Planner, (2003) Vol. 2003, pp. Abstract No. S990. e-file.
 Meeting Info.: Digestive Disease 2003. FL, Orlando, USA. May 17-22, 2003. American Association for the Study of Liver Diseases; American Gastroenterological Association; American Society for Gastrointestinal Endoscopy; Society for Surgery of the Alimentary Tract.
 DT Conference; (Meeting)
 Conference; (Meeting Poster)
 Conference; Abstract; (Meeting Abstract)
 LA English
 ED Entered STN: 10 Dec 2003
 Last Updated on STN: 10 Dec 2003

L7 ANSWER 60 OF 159 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on STN

DN PREV200400198485
 TI Role of ephrins and Eph receptors in adult neurogenesis.
 AU Ricard, J. [Reprint Author]; Salinas, J. A. [Reprint Author]; Liebl, D. J. [Reprint Author]
 CS Miami Project to Cure Paralysis, Univ. of Miami, Miami, FL, USA
 SO Society for Neuroscience Abstract Viewer and Itinerary Planner, (2003) Vol. 2003, pp. Abstract No. 356.11. <http://sfn.scholarone.com>. e-file. Meeting Info.: 33rd Annual Meeting of the Society of Neuroscience. New Orleans, LA, USA. November 08-12, 2003. Society of Neuroscience.
 DT Conference; (Meeting)
 Conference; Abstract; (Meeting Abstract)
 LA English
 ED Entered STN: 14 Apr 2004
 Last Updated on STN: 14 Apr 2004

L7 ANSWER 61 OF 159 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on STN
 AN 2004:160067 BIOSIS
 DN PREV200400160217
 TI Corpus callosum axon guidance: the role of ephrins and Eph receptors.
 AU Mendes, S. W. [Reprint Author]; Liebl, D. J.
 CS Dept. Neurol., Univ. of Miami, Miami, FL, USA
 SO Society for Neuroscience Abstract Viewer and Itinerary Planner, (2003) Vol. 2003, pp. Abstract No. 32.17. <http://sfn.scholarone.com>. e-file. Meeting Info.: 33rd Annual Meeting of the Society of Neuroscience. New Orleans, LA, USA. November 08-12, 2003. Society of Neuroscience.
 DT Conference; (Meeting)
 Conference; Abstract; (Meeting Abstract)
 LA English
 ED Entered STN: 24 Mar 2004
 Last Updated on STN: 24 Mar 2004

L7 ANSWER 62 OF 159 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on STN
 AN 2004:159726 BIOSIS
 DN PREV200400159876
 TI ***Ephrin*** - ***B3*** and EphB1 receptor deficiencies lead to defects in synaptic functions in the hippocampus.
 AU Rodenas-Ruano, A. I. [Reprint Author]; Liebl, D. J. [Reprint Author]; Huizinga, C. [Reprint Author]
 CS Neurosci., Univ. of Miami, Miami, FL, USA
 SO Society for Neuroscience Abstract Viewer and Itinerary Planner, (2003) Vol. 2003, pp. Abstract No. 7.4. <http://sfn.scholarone.com>. e-file. Meeting Info.: 33rd Annual Meeting of the Society of Neuroscience. New Orleans, LA, USA. November 08-12, 2003. Society of Neuroscience.
 DT Conference; (Meeting)
 Conference; Abstract; (Meeting Abstract)
 LA English
 ED Entered STN: 24 Mar 2004
 Last Updated on STN: 24 Mar 2004

L7 ANSWER 63 OF 159 DISSABS COPYRIGHT (C) 2004 ProQuest Information and Learning Company; All Rights Reserved on STN
 AN 2003:11061 DISSABS Order Number: AAI3055126
 TI Analysis of Eph receptors and ephrin ligands in the development of hippocamposeptal projections
 AU Chen, Zhi-Yong [Ph.D.]; Zhou, Renping [adviser]
 CS Rutgers The State University of New Jersey - New Brunswick and University of Medicine and Dentistry of New Jersey (0801)
 SO Dissertation Abstracts International, (2002) Vol. 63, No. 5B, p. 2225. Order No.: AAI3055126. 162 pages. ISBN: 0-493-69309-2.
 DT Dissertation
 FS DAI
 LA English

L7 ANSWER 64 OF 159 IFIPAT COPYRIGHT 2004 IFI on STN DUPLICATE 18
 AN 10203599 IFIPAT;IFIUDB;IFICDB
 TI PEPTIDES THAT MODULATE THE INTERACTION OF B CLASS EPHRINS AND PDZ DOMAINS; PEPTIDE COMPLEX FOR USE IN THE TREATMENT OF CELL PROLIFERATIVE DISORDERS
 IN Gish Gerald (CA); Lin Danny (CA); Pawson Anthony (CA)
 PA Unassigned Or Assigned To Individual (68000)
 PI US 2002147306 A1 20021010
 AI US 2001-862179 20010521

	US 1998-109158P	19981120 (Provisional)
FI	US 2002147306	20021010
DT	Utility; Patent Application - First Publication	
FS	CHEMICAL APPLICATION	
CLMN	35	
GI	8 Figure(s).	

FIG. 1. Amino acid sequence of the cytoplasmic domains of the human B ephrins. Conserved residues among the three B ephrins are highlighted. Asterisks mark conserved tyrosines that are potential sites of phosphorylation. The potential PDZ domain binding site is underlined.

FIGS. 2A-D. Identification of PDZ domain-containing candidates for ephrin B binding. FIG. 2A, The preferred binding sequence of FAP-1 PDZ5 is shown below a schematic representation of the entire FAP-1 protein tyrosine phosphatase. FAP-1 PDZ5 domain specificity was deduced from an oriented peptide library technique (1). Residues within the optimal binding sequence that match the C-terminal sequence of B ephrins are indicated in bold. The organization of the PDZ domains of FAP-1 shown in this figure follows the numbering described by Sato et al. (33). FIG. 2B, Diagrammatic representations of the PDZ domain-containing proteins identified through an expression screen with a biotinylated peptide probe of ephrin B3 C-terminal sequence. The brackets mark the portions of the protein encoded by the cDNAs isolated from the screen. PDZ domains are represented by grey boxes. FIG. 2C, Amino acid sequence alignment of FAP-1 PDZ5 and of the PDZ domains isolated in the expression screen. The numbering of the PDZ domains is as shown in FIG. 2B. Conserved residues are highlighted. The alignment was performed with the ClustalW program (55). FIG. 2D, Amino acid sequence alignment of PHIP and PAR-3. Conserved residues are highlighted and the PDZ domains are underlined. The alignment was performed with the Genestream Align program.

FIGS. 3A-C. FAP-1 PDZ5 and syntenin bind specifically to ephrin B1 in GST-mixes. Cos-1 cells were transiently transfected with either wild-type ephrin B1 (W. T.) or the ephrin B1 Val deletion (Val Delta) or were untransfected. Cell lysates were incubated with the GST fusion proteins as indicated and analyzed by immunoblotting with anti-ephrin B1 antibody. Immunoprecipitated ephrin B1 or ephrin B1 Val Delta were included as a positive control. FIG. 3A and FIG. 3B, GST-mixes with fusion proteins of FAP-1. C and D, GST-mixes with fusion proteins of syntenin.

FIGS. 4A and 4B. FAP-1 PDZ5 and syntenin binding to ephrin B1 can be blocked by addition of peptides corresponding to the C-terminal sequence of B ephrins. Peptides of the indicated sequence were included at a concentration of 100 μ M in incubations of GST fusion proteins with lysates of Cos-1 cells transfected with ephrin B1. Associated proteins were separated on a 10% polyacrylamide/SDS gel and analyzed by immunoblotting with antibodies against ephrin B1. FIG. 4A, Competition of FAP1 PDZ5 binding to ephrin B1 using the indicated peptides. A peptide of sequence DHQpYpYND was added at a concentration of 100 μ M as a negative control. Immunoprecipitation of ephrin B1 was included as a positive control. FIG. 4B, Peptide competition of the binding of full-length syntenin to ephrin B1.

FIGS. 5A and 5B. Fluorescence polarization analysis of GST-FAP-1 PDZ3, GST-FAP-1 PDZ5 and GST-syntenin binding to Fluorescein-labelled peptides corresponding to the C-terminus of ephrin B1. FIG. 5A, Solutions containing the indicated final concentration of GST-FAP-1 PDZ3 (FIG. 5B, A Binding of a GST fusion of full-length syntenin to the NIYYKV (

FIG. 6. Co-immunoprecipitation of syntenin-FLAG with ephrin B1. Cos-1 cells were co-transfected with either ephrin B1 and syntenin-FLAG or with the ephrin B1 Val deletion and syntenin-FLAG as indicated. Cell lysates were immunoprecipitated with antibodies against ephrin B1 or IL-3 receptor α or were treated with protein A sepharose only. Immunocomplexes were subjected to SDS-PAGE (10%) and blotted with anti-FLAG antibodies.

FIG. 7. Fluorescence polarization analysis of GST-PHIP PDZ3 binding to Fluorescein-labelled peptides corresponding to the C-terminus of ephrin B1. Solutions containing the indicated final concentration of GST-PHIP PDZ3 fusion protein in mixtures containing 25 nM fluorescein-labelled peptide probe, 20 mM phosphate pH 7.0, 100 mM NaCl, and 2 mM DTT were monitored for fluorescence polarization at 22 degrees C. The GST-PHIP PDZ3 fusion protein was measured for binding to the phosphorylated peptides, NIPYYKV (), NIPYpYKV () and NIPYpYKV (

FIG. 8 PHIP PDZ3 binds specifically to V-Src phosphorylated ephrin B1 in GST-mixes. COS-1 cells were transiently cotransfected with V-Src and either wild-type ephrin B1 or the ephrin B1 Val deletion (VA) or were transfected with either wild-type ephrin B1 or ephrin B1 Val deletion alone. Cell lysates were incubated with the GST fusion proteins as indicated and analyzed by immunoblotting with antiphosphotyrosine

control.

L7 ANSWER 65 OF 159 USPATFULL on STN
AN 2002:99407 USPATFULL
TI Nucleic acids, proteins and antibodies
IN Rosen, Craig A., Laytonsville, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
PI US 2002052308 A1 20020502
AI US 2001-925301 A1 20010810 (9)
RLI Continuation of Ser. No. WO 2000-US5882, filed on 8 Mar 2000, UNKNOWN
PRAI US 1999-124270P 19990312 (60)
DT Utility
FS APPLICATION
LN.CNT 30577
INCL INCLM: 514/001.000
INCLS: 435/006.000; 435/007.100; 435/069.100; 435/183.000; 536/023.100;
530/350.000; 435/320.100; 435/325.000
NCL NCLM: 514/001.000
NCLS: 435/006.000; 435/007.100; 435/069.100; 435/183.000; 536/023.100;
530/350.000; 435/320.100; 435/325.000
IC [7]
ICM: A61K031-00
ICS: C12Q001-68; G01N033-53; C07H021-04; C12N009-00; C07K014-435;
C12N005-06
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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AN 2002297991 EMBASE
TI Ephrin-B1 transduces signals to activate integrin-mediated migration,
attachment and angiogenesis.
AU Huynh-Do U.; Vindis C.; Liu H.; Cerretti D.P.; McGrew J.T.; Enriquez M.;
Chen J.; Daniel T.O.
CS J. Chen, Vanderbilt-Ingram Cancer Center, Department of Medicine,
Vanderbilt University Medical Center, Nashville, TN 37232, United States.
jin.chen@mcmail.vanderbilt.edu
SO Journal of Cell Science, (1 Aug 2002) 115/15 (3073-3081).
Refs: 39
ISSN: 0021-9533 CODEN: JNCSAI
CY United Kingdom
DT Journal; Article
FS 029 Clinical Biochemistry
LA English
SL English

L7 ANSWER 67 OF 159 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on
STN DUPLICATE 19
AN 2003:97444 BIOSIS
DN PREV200300097444
TI Lac z histochemistry and immunohistochemistry reveal ephrin-B ligand
expression in the inner ear.
AU Bianchi, Lynne M. [Reprint Author]; Dinsio, Kyl; Davoli, Katherine; Gale,
Nicholas W.
CS Neuroscience Program, Oberlin College, Oberlin, OH, 44074, USA
lynne.bianchi@oberlin.edu
SO Journal of Histochemistry & Cytochemistry, (December 2002) Vol. 50, No.
12, pp. 1641-1645. print.
ISSN: 0022-1554 (ISSN print).
DT Article
LA English
ED Entered STN: 12 Feb 2003
Last Updated on STN: 12 Feb 2003

L7 ANSWER 68 OF 159 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS
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AN 2002416014 EMBASE
TI EphB receptors influence growth of ephrin-B1-positive statoacoustic nerve
fibers.
AU Bianchi L.M.; Gray N.A.
CS Dr. L.M. Bianchi, Neuroscience Program, Science Center A245, Woodland Ave,
Oberlin, OH 44074, United States. lynne.bianchi@oberlin.edu
SO European Journal of Neuroscience, (2002) 14/8 (1499-1506).
Refs: 28
ISSN: 0953-816X CODEN: EJONEI
CY United Kingdom

FS 008 Neurology and Neurosurgery
 029 Clinical Biochemistry
 LA English
 SL English

L7 ANSWER 69 OF 159 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on
 STN DUPLICATE 20
 AN 2002:632693 BIOSIS
 DN PREV200200632693
 TI ***Ephrin*** - ***B3*** -EphA4 interactions regulate the growth of
 specific thalamocortical axon populations in vitro.
 AU Takemoto, Makoto; Fukuda, Tsuyoshi; Sonoda, Rie; Murakami, Fujio; Tanaka,
 Hideaki; Yamamoto, Nobuhiko [Reprint author]
 CS Neuroscience Laboratories, Graduate School of Frontier Biosciences, Osaka
 University, Toyonaka, Osaka, 560-8531, Japan, Japan
 nobuhiko@fbs.osaka-u.ac.jp
 SO European Journal of Neuroscience, (September 2002 2002) Vol. 16, No. 6,
 pp. 1168-1172. print.
 ISSN: 0953-816X.
 DT Article
 LA English
 ED Entered STN: 12 Dec 2002
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 STN DUPLICATE 21
 AN 2002:214449 BIOSIS
 DN PREV200200214449
 TI Coexpression of ephrin-Bs and their receptors in colon carcinoma.
 AU Liu, Wenbiao; Ahmad, Syed A.; Jung, Young D.; Reinmuth, Niels; Fan, Fan;
 Bucana, Corazon D.; Ellis, Lee M. [Reprint author]
 CS Department of Surgical Oncology, University of Texas M. D. Anderson Cancer
 Center, 1515 Holcombe Boulevard, 444, Houston, TX, 77030-4009, USA
 lellis@mdanderson.org
 SO Cancer, (February 15, 2002) Vol. 94, No. 4, pp. 934-939. print.
 CODEN: CANCAR. ISSN: 0008-543X.
 DT Article
 LA English
 ED Entered STN: 27 Mar 2002
 Last Updated on STN: 27 Mar 2002

L7 ANSWER 71 OF 159 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on
 STN DUPLICATE 22
 AN 2002:489520 BIOSIS
 DN PREV200200489520
 TI Human osteosarcoma expresses specific ephrin profiles: Implications for
 tumorigenicity and prognosis.
 AU Varelias, Antiope; Koblar, Simon A.; Cowled, Prudence A.; Carter,
 Christopher D.; Clayer, Mark [Reprint author]
 CS Department of Orthopedics and Trauma, The Queen Elizabeth Hospital, 28
 Woodville Road, Woodville, South Australia, 5011, Australia
 mark.clayer@nwahs.sa.gov.au
 SO Cancer, (August 15, 2002) Vol. 95, No. 4, pp. 862-869. print.
 CODEN: CANCAR. ISSN: 0008-543X.
 DT Article
 LA English
 ED Entered STN: 18 Sep 2002
 Last Updated on STN: 18 Sep 2002

L7 ANSWER 72 OF 159 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS
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 TI Expression of angiogenic and neurotrophic factors in the human amnion and
 choriondecidua.
 AU Marvin K.W.; Keelan J.A.; Eykholt R.L.; Sato T.A.; Mitchell M.D.
 CS Dr. K.W. Marvin, Liggins Institute, Faculty of Medical Sciences,
 University of Auckland, Private Bag 92019, Auckland, New Zealand.
 k.marvin@auckland.ac.nz
 SO American Journal of Obstetrics and Gynecology, (2002) 187/3 (728-734).
 Refs: 27
 ISSN: 0002-9378 CODEN: AJOGAH
 CY United States
 DT Journal; Article
 FS 010 Obstetrics and Gynecology
 026 Immunology, Serology and Transplantation

SL English

L7 ANSWER 73 OF 159 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2002:204763 CAPLUS
DN 137:123344
TI Insights into the pathobiology of hepatitis C virus-associated cirrhosis: Analysis of intrahepatic differential gene expression
AU Shackel, Nicholas A.; McGuinness, Peter H.; Abbott, Catherine A.; Gorrell, Mark D.; McCaughan, Geoffrey W.
CS A. W. Morrow Gastroenterology and Liver Centre, Centenary Institute of Cancer Medicine and Cell Biology, Royal Prince Alfred Hospital, Sydney, Australia
SO American Journal of Pathology (2002), 160(2), 641-654
CODEN: AJPAA4; ISSN: 0002-9440
PB American Society for Investigative Pathology
DT Journal
LA English
RE.CNT 65 THERE ARE 65 CITED REFERENCES AVAILABLE FOR THIS RECORD
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L7 ANSWER 74 OF 159 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on STN DUPLICATE 23
AN 2002:481248 BIOSIS
DN PREV200200481248
TI EphB forward signaling controls directional branch extension and arborization required for dorsal-ventral retinotopic mapping.
AU Hindges, Robert; McLaughlin, Todd; Genoud, Nicolas; Henkemeyer, Mark; O'Leary, Dennis D. M. [Reprint author]
CS Molecular Neurobiology Laboratory, The Salk Institute, 10010 North Torrey Pines Road, La Jolla, CA, 92037, USA
doyleary@salk.edu
SO Neuron, (August 1, 2002) Vol. 35, No. 3, pp. 475-487. print.
ISSN: 0896-6273.
DT Article
LA English
ED Entered STN: 11 Sep 2002
Last Updated on STN: 11 Sep 2002

L7 ANSWER 75 OF 159 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on STN
AN 2002:363492 BIOSIS
DN PREV200200363492
TI New insights into the organization of the mammalian locomotor CPG.
AU Kiehn, O. [Reprint author]
CS Department of Neuroscience, Karolinska Institutet, Retzius vag 8, 171 77, Stockholm, Sweden
SO Pfluegers Archiv European Journal of Physiology, (March, 2002) Vol. 443, No. Supplement 1, pp. S386-S387. print.
Meeting Info.: 81st Annual Joint Meeting of the Physiological Society, the Scandinavian Physiological Society and the German Physiological Society. Tuebingen, Germany. March 15-19, 2002.
CODEN: PFLABK. ISSN: 0031-6768.
DT Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
LA English
ED Entered STN: 3 Jul 2002
Last Updated on STN: 3 Jul 2002

L7 ANSWER 76 OF 159 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2002:88312 CAPLUS
DN 137:30823
TI Dissection of HEF1-dependent functions in motility and transcriptional regulation
AU Fashena, Sarah J.; Einarson, Margret B.; O'Neill, Geraldine M.; Patriotis, Christos; Golemis, Erica A.
CS Fox Chase Cancer Center, Philadelphia, PA, 19111, USA
SO Journal of Cell Science (2002), 115(1), 99-111
CODEN: JNCSAI; ISSN: 0021-9533
PB Company of Biologists Ltd.
DT Journal
LA English
RE.CNT 78 THERE ARE 78 CITED REFERENCES AVAILABLE FOR THIS RECORD
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L7 ANSWER 77 OF 159 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on

AN 2003:326113 BIOSIS
 DN PREV200300326113
 TI EXPRESSION CHARACTERISTICS OF EPHB1 AND ***EPHRIN*** - ***B3*** IN
 THE DEVELOPING MOUSE STRIATUM.
 AU Richards, A. B. [Reprint Author]; Yokoyama, N.; Kinnunen, A.; Henkemeyer,
 M.; Kromer, L. K. [Reprint Author]
 CS Department of Neuroscience, Georgetown University, Washington, DC, USA
 SO Society for Neuroscience Abstract Viewer and Itinerary Planner, (2002)
 Vol. 2002, pp. Abstract No. 729.3. <http://sfn.scholarone.com>. cd-rom.
 Meeting Info.: 32nd Annual Meeting of the Society for Neuroscience.
 Orlando, Florida, USA. November 02-07, 2002. Society for Neuroscience.
 DT Conference; (Meeting)
 Conference; Abstract; (Meeting Abstract)
 LA English
 ED Entered STN: 16 Jul 2003
 Last Updated on STN: 16 Jul 2003

L7 ANSWER 78 OF 159 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on
 STN
 AN 2003:326112 BIOSIS
 DN PREV200300326112
 TI EPHB RECEPTOR SIGNALING CONTROLS DISTINCT AXON TARGETING MECHANISMS
 REQUIRED FOR RETINOTOPIC MAPPING.
 AU McLaughlin, T. [Reprint Author]; Hindges, R. [Reprint Author]; Genoud, N.
 [Reprint Author]; Henkemeyer, M.; O'Leary, D. D. M. [Reprint Author]
 CS Molecular Neurobiology Lab, The Salk Institute, La Jolla, CA, USA
 SO Society for Neuroscience Abstract Viewer and Itinerary Planner, (2002)
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 Conference; Abstract; (Meeting Abstract)
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 Last Updated on STN: 16 Jul 2003

L7 ANSWER 79 OF 159 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on
 STN
 AN 2003:303922 BIOSIS
 DN PREV200300303922
 TI TEMPORAL EXPRESSION OF EPHB1 AND ***EPHRIN*** - ***B3*** IN GLIA
 DURING CNS MATURATION IN GENETICALLY ALTERED MICE.
 AU Kromer, L. F. [Reprint Author]; Richards, A. B. [Reprint Author];
 Bundensen, L. Q. [Reprint Author]; Kinnunen, A.; Yokoyama, N.; Henkemeyer,
 M.
 CS Dept Neurosci, Georgetown Univ Med Ctr, Washington, DC, USA
 SO Society for Neuroscience Abstract Viewer and Itinerary Planner, (2002)
 Vol. 2002, pp. Abstract No. 424.13. <http://sfn.scholarone.com>. cd-rom.
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 Conference; Abstract; (Meeting Abstract)
 LA English
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 Last Updated on STN: 2 Jul 2003

L7 ANSWER 80 OF 159 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on
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 AN 2003:268120 BIOSIS
 DN PREV200300268120
 TI REGULATION OF HIPPOCAMPAL AXON DEFASCICULATION BY THE EPHB RECEPTORS.
 AU Zhou, R. [Reprint Author]; Chen, Z. [Reprint Author]; Yue, Y. [Reprint
 Author]; Sun, C. [Reprint Author]; Bergemann, A.; Henkemeyer, M.
 CS Chemical Biology, Rutgers University College of Pharmacy, Piscataway, NJ,
 USA
 SO Society for Neuroscience Abstract Viewer and Itinerary Planner, (2002)
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 Meeting Info.: 32nd Annual Meeting of the Society for Neuroscience.
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 DT Conference; (Meeting)
 Conference; (Meeting Poster)
 Conference; Abstract; (Meeting Abstract)
 LA English
 ED Entered STN: 11 Jun 2003

L7 ANSWER 81 OF 159 MEDLINE on STN
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DN PubMed ID: 11286777
TI Looking into mirror movement disorder.
AU Rutherford A
SO Trends in molecular medicine, (2001 Mar) 7 (3) 101.
Journal code: 100966035. ISSN: 1471-4914.
CY England: United Kingdom
DT News Announcement
LA English
FS Priority Journals
EM 200105
ED Entered STN: 20010529
Last Updated on STN: 20010529
Entered Medline: 20010521

L7 ANSWER 82 OF 159 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2001:613243 CAPLUS
DN 135:302757
TI A comprehensive view of regulation of gene expression by double-stranded
RNA-mediated cell signaling
AU Geiss, Gary; Jin, Ge; Guo, Jinjiao; Bumgarner, Roger; Katze, Michael G.;
Sen, Ganes C.
CS Department of Microbiology, University of Washington, Seattle, WA, 98195,
USA
SO Journal of Biological Chemistry (2001), 276(32), 30178-30182
CODEN: JBCHA3; ISSN: 0021-9258
PB American Society for Biochemistry and Molecular Biology
DT Journal
LA English
RE.CNT 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD
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L7 ANSWER 83 OF 159 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2001:936919 CAPLUS
DN 136:194627
TI Commissural axon pathfinding on the contralateral side of the floor plate:
a role for B-class ephrins in specifying the dorsoventral position of
longitudinally projecting commissural axons
AU Imondi, Ralph; Kaprielian, Zaven
CS Department of Neuroscience, Albert Einstein College of Medicine, Bronx,
NY, 10461, USA
SO Development (Cambridge, United Kingdom) (2001), 128(23), 4859-4871
CODEN: DEVPED; ISSN: 0950-1991
PB Company of Biologists Ltd.
DT Journal
LA English
RE.CNT 41 THERE ARE 41 CITED REFERENCES AVAILABLE FOR THIS RECORD
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L7 ANSWER 84 OF 159 MEDLINE on STN
AN 2001266248 MEDLINE
DN PubMed ID: 11306625
TI Ephrin B1 is expressed on neuroepithelial cells in correlation with
neocortical neurogenesis.
AU Stuckmann I; Weigmann A; Shevchenko A; Mann M; Huttner W B
CS Department of Neurobiology, University of Heidelberg, D-69120 Heidelberg,
Germany.
SO Journal of neuroscience : official journal of the Society for
Neuroscience, (2001 Apr 15) 21 (8) 2726-37.
Journal code: 8102140. ISSN: 1529-2401.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200106
ED Entered STN: 20010611
Last Updated on STN: 20010611
Entered Medline: 20010607

L7 ANSWER 85 OF 159 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on
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AN 2001:574322 BIOSIS
DN PREV200100574322

AU Meçteau, M. [Reprint author]; Lemaire, C. [Reprint author]; Rossignol, S.;
 Kessous, A. [Reprint author]; Provencher, J.; Doucet, G. [Reprint author]
 CS Pathol Biol Cell, Universite de Montreal, Montreal, PQ, Canada
 SO Society for Neuroscience Abstracts, (2001) Vol. 27, No. 2, pp. 2032.
 print.
 Meeting Info.: 31st Annual Meeting of the Society for Neuroscience. San
 Diego, California, USA. November 10-15, 2001.
 ISSN: 0190-5295.
 DT Conference; (Meeting)
 Conference; Abstract; (Meeting Abstract)
 LA English
 ED Entered STN: 12 Dec 2001
 Last Updated on STN: 25 Feb 2002

L7 ANSWER 86 OF 159 MEDLINE on STN
 AN 2002045989 MEDLINE
 DN PubMed ID: 11754835
 TI Kinase-independent requirement of EphB2 receptors in hippocampal synaptic
 plasticity.
 AU Grunwald I C; Korte M; Wolfer D; Wilkinson G A; Unsicker K; Lipp H P;
 Bonhoeffer T; Klein R
 CS Department of Molecular Neurobiology, Max-Planck-Institute of
 Neurobiology, Am Klopferspitz 18a, D-82152, Martinsried, Germany.
 SO Neuron, (2001 Dec 20) 32 (6) 1027-40.
 Journal code: 8809320. ISSN: 0896-6273.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 200210
 ED Entered STN: 20020124
 Last Updated on STN: 20021002
 Entered Medline: 20021001

L7 ANSWER 87 OF 159 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on
 STN
 AN 2001:519962 BIOSIS
 DN PREV200100519962
 TI Eph receptors and ephrins participate in spinal cord reorganization after
 injury.
 AU Bundesen, L. Q. [Reprint author]; Scheel, T. A. [Reprint author]; Bregman,
 B. S. [Reprint author]; Kromer, L. F. [Reprint author]
 CS Dept Neurosci, Georgetown Univ, Washington, DC, USA
 SO Society for Neuroscience Abstracts, (2001) Vol. 27, No. 1, pp. 965. print.
 Meeting Info.: 31st Annual Meeting of the Society for Neuroscience. San
 Diego, California, USA. November 10-15, 2001.
 ISSN: 0190-5295.
 DT Conference; (Meeting)
 Conference; Abstract; (Meeting Abstract)
 LA English
 ED Entered STN: 7 Nov 2001
 Last Updated on STN: 23 Feb 2002

L7 ANSWER 88 OF 159 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on
 STN DUPLICATE 24
 AN 2001:226778 BIOSIS
 DN PREV200100226778
 TI ***Ephrin*** - ***B3*** is the midline barrier that prevents
 corticospinal tract axons from recrossing, allowing for unilateral motor
 control.
 AU Kullander, Klas; Croll, Susan D.; Zimmer, Manuel; Pan, Li; McClain, Joyce;
 Hughes, Virginia; Zabski, Stephanie; DeChiara, Thomas M.; Klein, Ruediger;
 Yancopoulos, George D.; Gale, Nicholas W. [Reprint author]
 CS Regeneron Pharmaceuticals, Inc., Tarrytown, NY, 10591-6707, USA
 nicholas.gale@regeneron.com
 SO Genes and Development, (April 1, 2001) Vol. 15, No. 7, pp. 877-888. print.
 CODEN: GEDEEP. ISSN: 0890-9369.
 DT Article
 LA English
 ED Entered STN: 9 May 2001
 Last Updated on STN: 18 Feb 2002

L7 ANSWER 89 OF 159 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 2001:416087 CAPLUS
 DN 135:164797

B signaling
 AU Chan, Joanne; Mably, John D.; Serluca, Fabrizio C.; Chen, Jau-Nian;
 Goldstein, Nathaniel B.; Thomas, Matthew C.; Cleary, Jennifer A.; Brennan,
 Caroline; Fishman, Mark C.; Roberts, Thomas M.
 CS Department of Cancer Biology and Department of Pathology, Dana-Farber
 Cancer Institute, Harvard Medical School, Boston, MA, 02115, USA
 SO Developmental Biology (Orlando, FL, United States) (2001), 234(2), 470-482
 CODEN: DEBIAO; ISSN: 0012-1606
 PB Academic Press
 DT Journal
 LA English
 RE.CNT 52 THERE ARE 52 CITED REFERENCES AVAILABLE FOR THIS RECORD
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L7 ANSWER 90 OF 159 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on
 STN DUPLICATE 25

AN 2001:379555 BIOSIS
 DN PREV200100379555
 TI Development and reorganization of corticospinal projections in EphA4
 deficient mice.
 AU Coonan, Jason R.; Greferath, Ursula; Messenger, Jonathan; Hartley, Lynne;
 Murphy, Mark; Boyd, Andrew W.; Dottori, Mirella; Galea, Mary P.; Bartlett,
 Perry F. [Reprint author]
 CS Walter and Eliza Hall Institute of Medical Research, Royal Parade,
 Parkville, VIC, 3050, Australia
 bartlett@wehi.edu.au
 SO Journal of Comparative Neurology, (July 23, 2001) Vol. 436, No. 2, pp.
 248-262. print.
 CODEN: JCNEAM. ISSN: 0021-9967.
 DT Article
 LA English
 ED Entered STN: 8 Aug 2001
 Last Updated on STN: 19 Feb 2002

L7 ANSWER 91 OF 159 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on
 STN DUPLICATE 26

AN 2001:135462 BIOSIS
 DN PREV200100135462
 TI Forward signaling mediated by ***ephrin*** - ***B3*** prevents
 contralateral corticospinal axons from recrossing the spinal cord midline.
 AU Yokoyama, Nobuhiko; Romero, Mario I.; Cowan, Chad A.; Galvan, Pedro;
 Helmbacher, Françoise; Charnay, Patrick; Parada, Luis F.; Henkemeyer, Mark
 [Reprint author]
 CS Center for Developmental Biology and Kent Waldrep Foundation Center for
 Basic Research on Nerve Growth and Regeneration, University of Texas
 Southwestern Medical Center, Dallas, TX, 75390, USA
 henk@utsw.swmed.edu
 SO Neuron, (January, 2001) Vol. 29, No. 1, pp. 85-97. print.
 ISSN: 0896-6273.
 DT Article
 LA English
 ED Entered STN: 14 Mar 2001
 Last Updated on STN: 15 Feb 2002

L7 ANSWER 92 OF 159 CAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 27

AN 2000:368418 CAPLUS
 DN 133:27865
 TI Peptides that modulate the interaction of B class ephrins and PDZ domains
 IN Lin, Danny; Pawson, Anthony
 PA Mount Sinai Hospital, Can.
 SO PCT Int. Appl., 59 pp.
 CODEN: PIXXD2

DT Patent
 LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000031124	A2	20000602	WO 1999-CA1101	19991119
	WO 2000031124	A3	20001123		
W:	AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU,				
	CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL,				
	IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA,				
	MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI,				
	SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM,				
	AZ, BY, KG, KZ, MD, RU, TJ, TM				

DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF,
 CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
 EP 1131351 A2 20010912 EP 1999-955608 19991119
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
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 US 2002147306 A1 20021010 US 2001-862179 20010521
 PRAI US 1998-109158P P 19981120
 WO 1999-CA1101 W 19991119
 OS MARPAT 133:27865

L7 ANSWER 93 OF 159 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on
 STN DUPLICATE 28
 AN 2000:490524 BIOSIS
 DN PREV2000000490645
 TI Implications of EPHB6, EFNB2, and EFNB3 expressions in human
 neuroblastoma.
 AU Tang, Xao X.; Zhao, Huaging; Robinson, Marjorie E.; Cohen, Brian; Cnaan,
 Avital; London, Wendy; Cohn, Susan L.; Cheung, Nai-Kong V.; Brodeur,
 Garrett M.; Evans, Audrey E.; Ikegaki, Naohiko [Reprint author]
 CS Division of Oncology, The Children's Hospital of Philadelphia, 3516 Civic
 Center Boulevard, ARC Suite 902, Philadelphia, PA, 19104-4318, USA
 SO Proceedings of the National Academy of Sciences of the United States of
 America, (September 26, 2000) Vol. 97, No. 20, pp. 10936-10941. print.
 CODEN: PNASA6. ISSN: 0027-8424.
 DT Article
 LA English
 ED Entered STN: 15 Nov 2000
 Last Updated on STN: 10 Jan 2002

L7 ANSWER 94 OF 159 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 2000:395628 CAPLUS
 DN 133:130254
 TI Expression of Eph receptors and ephrins is differentially regulated by
 E-cadherin
 AU Orsulic, Sandra; Kemler, Rolf
 CS Max-Planck-Institut fur Immunbiologie, Freiburg, D-79108, Germany
 SO Journal of Cell Science (2000), 113(10), 1793-1802
 CODEN: JNCSAI; ISSN: 0021-9533
 PB Company of Biologists Ltd.
 DT Journal
 LA English
 RE.CNT 87 THERE ARE 87 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 95 OF 159 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on
 STN DUPLICATE 29
 AN 2001:26460 BIOSIS
 DN PREV200100026460
 TI Prognostic significance of EPHB6, EFNB2, and EFNB3 expressions in
 neuroblastoma.
 AU Tang, Xao X.; Zhao, Huaging; Robinson, Marjorie E.; Cnaan, Avital; London,
 Wendy; Cohn, Susan L.; Cheung, Nai-Kong V.; Brodeur, Garrett M.; Evans,
 Audrey E.; Ikegaki, Naohiko [Reprint author]
 CS Division of Oncology, The Children's Hospital of Philadelphia, 3516 Civic
 Center Blvd., ARC Suite 902, Philadelphia, PA, 19104-4318, USA
 IKEGAKI@email.chop.edu
 SO Medical and Pediatric Oncology, (December, 2000) Vol. 35, No. 6, pp.
 656-658. print.
 CODEN: MPONDB. ISSN: 0098-1532.
 DT Article
 LA English
 ED Entered STN: 3 Jan 2001
 Last Updated on STN: 12 Feb 2002

L7 ANSWER 96 OF 159 CANCERLIT on STN DUPLICATE 30
 AN 2000431852 CANCERLIT
 DN 20431852 PubMed ID: 10969208
 TI [Involvement of ephrins and their receptors in oncogenesis].
 L'implication des ephrines et de leurs recepteurs en oncogenese.
 AU L'Allemain G
 CS Institut de recherches signalisation, biologie du developpement et cancer,
 CNRS UMR 6543, Centre de biochimie, Parc Valrose, 06108 Nice Cedex 2.
 SO BULLETIN DU CANCER, (2000 Jul) 87 (7-8) 529-30.
 Journal code: 0072416. ISSN: 0007-4551.
 CY France

LA French
FS MEDLINE; Priority Journals
OS MEDLINE 2000454923
EM 200009
ED Entered STN: 20001128
Last Updated on STN: 20001128

L7 ANSWER 97 OF 159 MEDLINE on STN
AN 2000072613 MEDLINE
DN PubMed ID: 10603345
TI The receptor tyrosine kinase EphB4 and ephrin-B ligands restrict angiogenic growth of embryonic veins in *Xenopus laevis*.
AU Helbling P M; Saulnier D M; Brandli A W
CS Institute of Cell Biology, Swiss Federal Institute of Technology, ETH-Honggerberg, CH-8093 Zurich, Switzerland.
SO Development (Cambridge, England), (2000 Jan) 127 (2) 269-78.
Journal code: 8701744. ISSN: 0950-1991.
CY ENGLAND: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200002
ED Entered STN: 20000229
Last Updated on STN: 20000229
Entered Medline: 20000216

L7 ANSWER 98 OF 159 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on STN
AN 2001:272012 BIOSIS
DN PREV200100272012
TI The role of Eph receptors and ligands in the formation of thalamocortical projections.
AU Fukuda, Tsuyoshi [Reprint author]; Takemoto, Makoto [Reprint author]; Fujio, Murakami [Reprint author]; Nobuhiko, Yamamoto [Reprint author]
CS Laboratory of Neuroscience, Division of Biophysical Engineering, Graduate School of Engineering Science, Osaka University, Toyonaka, Japan
SO Neuroscience Research Supplement, (2000) No. 24, pp. S136. print.
Meeting Info.: 23rd Annual Meeting of the Japan Neuroscience Society and the 10th Annual Meeting of the Japanese Neural Network Society. Yokohama, Japan. September 04-06, 2000. Japan Neuroscience Society; Japanese Neural Network Society.
ISSN: 0921-8696.
DT Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
LA English
ED Entered STN: 6 Jun 2001
Last Updated on STN: 19 Feb 2002

L7 ANSWER 99 OF 159 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2000:253840 CAPLUS
DN 133:116216
TI Eph receptors and ephrins are key regulators of morphogenesis
AU Holder, N.; Durbin, L.; Cooke, J.
CS Department of Anatomy and Developmental Biology, University College, London, WC1 6BT, UK
SO Ernst Schering Research Foundation Workshop (2000), 29(Of Fish, Fly, Worm, and Man), 123-147
CODEN: ESRWEL; ISSN: 0947-6075
PB Springer-Verlag
DT Journal; General Review
LA English
RE.CNT 81 THERE ARE 81 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 100 OF 159 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on STN
AN 2000:93783 BIOSIS
DN PREV200000093783
TI Expression of EphA4 in developing inner ears of the mouse and guinea pig.
AU van Heumen, Walter R. A.; Claxton, Christina; Pickles, James O. [Reprint author]
CS Vision, Touch and Hearing Research Centre, Department of Physiology and Pharmacology, University of Queensland, Brisbane, QLD, 4072, Australia
SO Hearing Research, (Jan., 2000) Vol. 139, No. 1-2, pp. 42-50. print.
CODEN: HERED3. ISSN: 0378-5955.

LA English
 ED Entered STN: 10 Mar 2000
 Last Updated on STN: 3 Jan 2002

L7 ANSWER 101 OF 159 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on
 STN
 AN 2001:87122 BIOSIS
 DN PREV200100087122
 TI Aberrant retinocollicular mapping in EphB2/EphB3 double knockout mice.
 AU Hindges, R. [Reprint author]; McLaughlin, T.; Henkemeyer, M.; O'Leary, D.
 D.
 CS The Salk Institute, La Jolla, CA, USA
 SO Society for Neuroscience Abstracts, (2000) Vol. 26, No. 1-2, pp. Abstract
 No.-218.1. print.
 Meeting Info.: 30th Annual Meeting of the Society of Neuroscience. New
 Orleans, LA, USA. November 04-09, 2000. Society for Neuroscience.
 ISSN: 0190-5295.
 DT Conference; (Meeting)
 Conference; Abstract; (Meeting Abstract)
 LA English
 ED Entered STN: 14 Feb 2001
 Last Updated on STN: 12 Feb 2002

L7 ANSWER 102 OF 159 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on
 STN
 AN 2001:87002 BIOSIS
 DN PREV200100087002
 TI Distinct functions of EphA and EphB receptors in hippocamposeptal
 topographic map formation.
 AU Chen, Z. [Reprint author]; Yue, Y.; Su, J.; Sun, C.; Henkemeyer, M.; Zhou,
 R.
 CS Rutgers University, Piscataway, NJ, USA
 SO Society for Neuroscience Abstracts, (2000) Vol. 26, No. 1-2, pp. Abstract
 No.-108.4. print.
 Meeting Info.: 30th Annual Meeting of the Society of Neuroscience. New
 Orleans, LA, USA. November 04-09, 2000. Society for Neuroscience.
 ISSN: 0190-5295.
 DT Conference; (Meeting)
 Conference; Abstract; (Meeting Abstract)
 LA English
 ED Entered STN: 14 Feb 2001
 Last Updated on STN: 12 Feb 2002

L7 ANSWER 103 OF 159 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on
 STN
 AN 2001:96762 BIOSIS
 DN PREV200100096762
 TI Ephrin-B2 and ***ephrin*** - ***B3*** expression in the inner ear.
 AU Bianchi, L. M. [Reprint author]; Dinsio, K.; Gale, N. W.; Henkemeyer, M.;
 Frittsch, B.
 CS Oberlin College, Oberlin, OH, USA
 SO Society for Neuroscience Abstracts, (2000) Vol. 26, No. 1-2, pp. Abstract
 No.-330.17. print.
 Meeting Info.: 30th Annual Meeting of the Society of Neuroscience. New
 Orleans, LA, USA. November 04-09, 2000. Society for Neuroscience.
 ISSN: 0190-5295.
 DT Conference; (Meeting)
 Conference; Abstract; (Meeting Abstract)
 LA English
 ED Entered STN: 21 Feb 2001
 Last Updated on STN: 15 Feb 2002

L7 ANSWER 104 OF 159 DISSABS COPYRIGHT (C) 2004 ProQuest Information and
 Learning Company; All Rights Reserved on STN
 AN 2000:8846 DISSABS Order Number: AAIMQ42194
 TI IDENTIFICATION OF DIFFERENTIALLY EXPRESSED GENES DURING DIFFERENTIATION OF
 A NOVEL HUMAN VASCULAR SMOOTH MUSCLE CELL LINE
 AU PRAVDA, ZUZANA HEDRIKA [M.SC.]; PICKERING, J. G. [adviser]
 CS THE UNIVERSITY OF WESTERN ONTARIO (CANADA) (0784)
 SO Masters Abstracts International, (1999) Vol. 38, No. 1, p. 163. Order No.:
 AAIMQ42194. 150 pages.
 ISBN: 0-612-42194-5.
 DT Dissertation
 FS MAI
 LA English

L7 ANSWER 105 OF 159 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on
 STN DUPLICATE 32
 AN 1999:134203 BIOSIS
 DN PREV199900134203
 TI The carboxyl terminus of B class ephrins constitutes a PDZ domain binding
 motif.
 AU Lin, Dan; Gish, Gerald D.; Songyang, Zhou; Pawson, Tony [Reprint author]
 CS Programme Mol. Biol. Cancer, Samuel Lunenfeld Res. Inst., Mt. Sinai
 Hosp., 600 University Ave., Toronto, ON M5G 1X5, Canada
 SO Journal of Biological Chemistry, (Feb. 5, 1999) Vol. 274, No. 6, pp.
 3726-3733. print.
 CODEN: JBCHA3. ISSN: 0021-9258.
 DT Article
 LA English
 ED Entered STN: 31 Mar 1999
 Last Updated on STN: 31 Mar 1999

L7 ANSWER 106 OF 159 SCISEARCH COPYRIGHT (c) 2004 The Thomson Corporation.
 on STN
 AN 1999:975353 SCISEARCH
 GA The Genuine Article (R) Number: 250YD
 TI ***EphrinB3*** and EphB3 are coordinately upregulated during human
 smooth muscle cell maturation
 AU Pravda Z (Reprint); Li S; Rajakumar N; Ruschlow W; Verdi J; Brown A;
 Pickering J G
 CS JOHN P ROBARTS RES INST, LONDON, ON N6A 5K8, CANADA; UNIV WESTERN ONTARIO,
 LONDON, ON, CANADA
 CYA CANADA
 SO CIRCULATION, (2 NOV 1999) Vol. 100, No. 18, Supp. [S], pp. 3636-3636.
 Publisher: LIPPINCOTT WILLIAMS & WILKINS, 530 WALNUT ST, PHILADELPHIA, PA
 19106-3621.
 ISSN: 0009-7322.
 DT Conference; Journal
 FS LIFE; CLIN
 LA English
 REC Reference Count: 0

L7 ANSWER 107 OF 159 CANCERLIT on STN DUPLICATE 33
 AN 1999316799 CANCERLIT
 DN 99316799 PubMed ID: 10389937
 TI High-level expression of EPHB6, EFNB2, and EFNB3 is associated with low
 tumor stage and high TrkA expression in human neuroblastomas.
 AU Tang X X; Evans A E; Zhao H; Cnaan A; London W; Cohn S L; Brodeur G M;
 Ikegaki N
 CS Division of Oncology, The Children's Hospital of Philadelphia, Abramson
 Research Center, Pennsylvania 19104-4318, USA.
 NC CA70958 (NCI)
 F32 CA75748 (NCI)
 NS34514 (NINDS)
 SO CLINICAL CANCER RESEARCH, (1999 Jun) 5 (6) 1491-6.
 Journal code: 9502500. ISSN: 1078-0432.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS MEDLINE; Priority Journals
 OS MEDLINE 1999316799
 EM 199909
 ED Entered STN: 19991112
 Last Updated on STN: 19991112

L7 ANSWER 108 OF 159 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1999:223544 CAPLUS
 DN 131:30116
 TI EphrinB ligands recruit GRIP family PDZ adaptor proteins into raft
 membrane microdomains
 AU Bruckner, Katja; Labrador, Juan Pablo; Scheiffele, Peter; Herb, Anne;
 Seeburg, Peter H.; Klein, Rudiger
 CS Developmental Biology Programme, European Molecular Biology Laboratory,
 Heidelberg, D-69117, Germany
 SO Neuron (1999), 22(3), 511-524
 CODEN: NERNET; ISSN: 0896-6273
 PB Cell Press
 DT Journal
 LA English
 RE.CNT 54 THERE ARE 54 CITED REFERENCES AVAILABLE FOR THIS RECORD

L7 ANSWER 109 OF 159 CANCERLIT on STN DUPLICATE 34
 AN 1999154801 CANCERLIT
 DN 99154801 PubMed ID: 10037197
 TI Coexpression of transcripts encoding EPHB receptor protein tyrosine
 kinases and their ephrin-B ligands in human small cell lung carcinoma.
 AU Tang X X; Brodeur G M; Campling B G; Ikegaki N
 CS Division of Oncology, The Children's Hospital of Philadelphia,
 Pennsylvania 19104-4318, USA.
 NC CA70958 (NCI)
 F32 CA75748 (NCI)
 NS34514 (NINDS)
 SO CLINICAL CANCER RESEARCH, (1999 Feb) 5 (2) 455-60.
 Journal code: 9502500. ISSN: 1078-0432.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS MEDLINE; Priority Journals
 OS MEDLINE 1999154801
 EM 199904
 ED Entered STN: 19990622
 Last Updated on STN: 19990622

L7 ANSWER 110 OF 159 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on
 STN DUPLICATE 35
 AN 2000:51186 BIOSIS
 DN PREV200000051186
 TI Comparative analysis of embryonic gene expression defines potential
 interaction sites for Xenopus EphB4 receptors with ephrin-B ligands.
 AU Helbling, Paul M.; Saulnier, Didier M.E.; Robinson, Vicky; Christiansen,
 Jeff H.; Wilkinson, David G.; Brandli, Andre W. [Reprint author]
 CS Institute of Cell Biology, Swiss Federal Institute of Technology,
 ETH-Honggerberg, CH-8093, Zurich, Switzerland
 SO Developmental Dynamics, (Dec., 1999) Vol. 216, No. 4-5, pp. 361-373.
 print.
 CODEN: DEDYEI. ISSN: 1058-8388.
 DT Article
 LA English
 ED Entered STN: 3 Feb 2000
 Last Updated on STN: 3 Jan 2002

L7 ANSWER 111 OF 159 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on
 STN
 AN 1999:143675 BIOSIS
 DN PREV199900143675
 TI Roles of ephrinB ligands and EphB receptors in cardiovascular development:
 Demarcation of arterial/ venous domains, vascular morphogenesis, and
 sprouting angiogenesis.
 AU Adams, Ralf H.; Wilkinson, George A.; Weiss, Cornelia; Diella, Francesca;
 Gale, Nicholas W.; Deutsch, Urban; Risau, Werner; Klein, Ruediger [Reprint
 author]
 CS European Mol. Biol. Lab., D-69117 Heidelberg, Germany
 SO Genes and Development, (Feb. 1, 1999) Vol. 13, No. 3, pp. 295-306. print.
 CODEN: GEDEEP. ISSN: 0890-9369.
 DT Article
 LA English
 ED Entered STN: 31 Mar 1999
 Last Updated on STN: 31 Mar 1999

L7 ANSWER 112 OF 159 MEDLINE on STN
 AN 1999210443 MEDLINE
 DN PubMed ID: 10192794
 TI Induction of Eph B3 after spinal cord injury.
 AU Miranda J D; White L A; Marcillo A E; Willson C A; Jagid J; Whittemore S R
 CS Department of Neurological Surgery, University of Miami School of
 Medicine, 1600 Northwest 10th Avenue, R-48, Miami, Florida 33136, USA.
 NC NS10304 (NINDS)
 NS26887 (NINDS)
 SO Experimental neurology, (1999 Mar) 156 (1) 218-22.
 Journal code: 0370712. ISSN: 0014-4886.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 199904

- L7 ANSWER 113 OF 159 MEDLINE on STN
AN 1999172312 MEDLINE
DN PubMed ID: 10072375
TI Eph receptors and ephrins in neural development.
AU O'Leary D D; Wilkinson D G
CS Molecular Neurobiology Laboratory The Salk Institute 10010 North Torrey
Pines Road La Jolla California 92037 USA.. dennis_oleary@qm.salk.edu
NC EY07025 (NEI)
NS31558 (NINDS)
SO Current opinion in neurobiology, (1999 Feb) 9 (1) 65-73. Ref: 74
Journal code: 9111376. ISSN: 0959-4388.
CY ENGLAND: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
(REVIEW LITERATURE)
LA English
FS Priority Journals
EM 199905
ED Entered STN: 19990607
Last Updated on STN: 19990607
Entered Medline: 19990524
- L7 ANSWER 114 OF 159 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on
STN
AN 2000:25109 BIOSIS
DN PREV200000025109
TI ***EphrinB3*** and EphB3 are coordinately upregulated during human
smooth muscle cell maturation.
AU Pravda, Zuzana [Reprint author]; Li, Shaohua [Reprint author]; Rajakumar,
N.; Ruschlow, Walter; Verdi, Joseph; Brown, Arthur; Pickering, J. Geoffrey
CS John P Robarts Res Inst, London, ON, Canada
SO Circulation, (Nov. 2, 1999) Vol. 100, No. 18 SUPPL., pp. I.689. print.
Meeting Info.: 72nd Scientific Sessions of the American Heart Association.
Atlanta, Georgia, USA. November 7-10, 1999.
CODEN: CIRCAZ. ISSN: 0009-7322.
DT Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
LA English
ED Entered STN: 29 Dec 1999
Last Updated on STN: 31 Dec 2001
- L7 ANSWER 115 OF 159 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on
STN
AN 1999:64189 BIOSIS
DN PREV199900064189
TI Induction of EPH B3 RPTK after spinal cord injury.
AU Miranda, J. D.; White, L. A.; Willson, C. A.; Marcillo, A.; Jagid, J.;
Whittemore, S. R.
CS Miami Project Dep. Neurological Surgery, Univ. Miami Sch. Med., Miami, FL
33136, USA
SO Society for Neuroscience Abstracts, (1998) Vol. 24, No. 1-2, pp. 741.
print.
Meeting Info.: 28th Annual Meeting of the Society for Neuroscience, Part
1. Los Angeles, California, USA. November 7-12, 1998. Society for
Neuroscience.
ISSN: 0190-5295.
DT Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
Conference; (Meeting Poster)
LA English
ED Entered STN: 16 Feb 1999
Last Updated on STN: 16 Feb 1999
- L7 ANSWER 116 OF 159 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on
STN
AN 1998:132637 BIOSIS
DN PREV199800132637
TI ***Ephrin*** - ***B3***, a ligand for the receptor EphB3, expressed
at the midline of the developing neural tube.
AU Bergemann, Andrew D.; Zhang, Lee; Chiang, Ming-Ko; Brambilla, Riccardo;
Klein, Ruediger; Flanagan, John G. [Reprint author]
CS Dep. Cell Biol., Harv. Med. Sch., 240 Longwood Ave., Boston, MA 02115, USA

DT CODEN: ONCNES. ISSN: 0950-9232.
 LA Article
 ED English
 Entered STN: 20 Mar 1998
 Last Updated on STN: 20 Mar 1998

L7 ANSWER 117 OF 159 MEDLINE on STN
 AN 1998191577 MEDLINE
 DN PubMed ID: 9530499
 TI The ephrins and Eph receptors in neural development.
 AU Flanagan J G; Vanderhaeghen P
 CS Department of Cell Biology, Harvard Medical School, Boston, Massachusetts 02115, USA.. Flanagan@warren.med.harvard.edu
 SO Annual review of neuroscience, (1998) 21 309-45. Ref: 185
 Journal code: 7804039. ISSN: 0147-006X.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 General Review; (REVIEW)
 (REVIEW, TUTORIAL)
 LA English
 FS Priority Journals
 EM 199805
 ED Entered STN: 19980514
 Last Updated on STN: 20000303
 Entered Medline: 19980504

L7 ANSWER 118 OF 159 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on STN
 AN 1999:26185 BIOSIS
 DN PREV199900026185
 TI Loss of EphB2 and B3 receptor tyrosine kinases results in pathfinding errors of retinal ganglion cell axons to the optic disc.
 AU Birgbauer, E. [Reprint author]; Henkemeyer, M.; Sretavan, D. [Reprint author]
 CS U.C. San Francisco, San Francisco, CA, USA
 SO Molecular Biology of the Cell, (Nov., 1998) Vol. 9, No. SUPPL., pp. 228A. print.
 Meeting Info.: 38th Annual Meeting of the American Society for Cell Biology. San Francisco, California, USA. December 12-16, 1998. American Society for Cell Biology.
 CODEN: MBCEEV. ISSN: 1059-1524.
 DT Conference; (Meeting)
 Conference; Abstract; (Meeting Abstract)
 LA English
 ED Entered STN: 20 Jan 1999
 Last Updated on STN: 20 Jan 1999

L7 ANSWER 119 OF 159 MEDLINE on STN
 AN 97271551 MEDLINE
 DN PubMed ID: 9126477
 TI cDNA cloning, chromosomal localization, and expression pattern of EPLG8, a new member of the EPLG gene family encoding ligands of EPH-related protein-tyrosine kinase receptors.
 AU Tang X X; Pleasure D E; Ikegaki N
 CS Division of Neurology Research, Children's Hospital of Philadelphia, Pennsylvania 19104-4318, USA.
 NC NS08075 (NINDS)
 NS25044 (NINDS)
 SO Genomics, (1997 Apr 1) 41 (1) 17-24.
 Journal code: 8800135. ISSN: 0888-7543.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 OS GENBANK-U66406
 EM 199705
 ED Entered STN: 19970602
 Last Updated on STN: 20000303
 Entered Medline: 19970520

L7 ANSWER 120 OF 159 DGENE COPYRIGHT 2004 The Thomson Corp on STN
 AN ABU07846 Protein DGENE
 TI Identifying modulators of binding between a Tie receptor tyrosine kinase and an Ephrin ligand, useful for promoting neovascularization, comprises contacting a Tie receptor with an Ephrin in the presence of a putative

IN Alitalo K; Kubo H
 PA (LICN) LICENTIA LTD.
 PI WO 2003004529 A2 20030116 199p
 AI WO 2002-IB2524 20020702
 PRAI US 2001-302960P 20010702
 DT Patent
 LA English
 OS 2003-210341 [20]
 CR N-PSDB: ABX12547
 DESC Mouse ***ephrin*** - ***B3*** ligand.

L7 ANSWER 121 OF 159 DGENE COPYRIGHT 2004 The Thomson Corp on STN
 AN ABU07845 Protein DGENE
 TI Identifying modulators of binding between a Tie receptor tyrosine kinase and an Ephrin ligand, useful for promoting neovascularization, comprises contacting a Tie receptor with an Ephrin in the presence of a putative modulator -

IN Alitalo K; Kubo H
 PA (LICN) LICENTIA LTD.
 PI WO 2003004529 A2 20030116 199p
 AI WO 2002-IB2524 20020702
 PRAI US 2001-302960P 20010702
 DT Patent
 LA English
 OS 2003-210341 [20]
 CR N-PSDB: ABX12546
 DESC Human ***ephrin*** - ***B3*** ligand.

L7 ANSWER 122 OF 159 DGENE COPYRIGHT 2004 The Thomson Corp on STN
 AN AAY71438 peptide DGENE
 TI Isolated complex for treating proliferative or differentiative disorders comprises B class ephrin and PDZ domain containing protein -

IN Lin D; Pawson A
 PA (MOUN) MOUNT SINAI HOSPITAL.
 PI WO 2000031124 A2 20000602 59p
 AI WO 1999-CA1101 19991119
 PRAI US 1998-109158 19981120
 DT Patent
 LA English
 OS 2000-400038 [34]
 DESC Human ***ephrin*** ***B3*** C-terminal cytoplasmic domain.

L7 ANSWER 123 OF 159 DGENE COPYRIGHT 2004 The Thomson Corp on STN
 AN AAY71415 peptide DGENE
 TI Isolated complex for treating proliferative or differentiative disorders comprises B class ephrin and PDZ domain containing protein -

IN Lin D; Pawson A
 PA (MOUN) MOUNT SINAI HOSPITAL.
 PI WO 2000031124 A2 20000602 59p
 AI WO 1999-CA1101 19991119
 PRAI US 1998-109158 19981120
 DT Patent
 LA English
 OS 2000-400038 [34]
 DESC EphrinB-3 C-terminal peptide biotinylated probe, comprising PDZ domain.

L7 ANSWER 124 OF 159 DGENE COPYRIGHT 2004 The Thomson Corp on STN
 AN ADL91614 DNA DGENE
 TI Use of a compound or composition for diagnosing, treating or preventing synovial sarcoma or a disease associated with Frizzled homologue 10, e.g. colorectal cancer, gastric cancer, chronic myeloid leukemia or acute myeloid leukemia.

IN Nakamura Y; Katagiri T
 PA (ONCO-N) ONCOTHERAPY SCI INC.
 (UYTY) UNIV TOKYO.
 PI WO 2004020668 A2 20040311 143p
 AI WO 2003-JP10591 20030821
 PRAI US 2002-407506P 20020830
 US 2003-486195P 20030711
 DT Patent
 LA English
 OS 2004-239208 [22]
 DESC ***Ephrin*** - ***B3*** (SYX 8) forward PCR primer, SEQ ID NO:15.

L7 ANSWER 125 OF 159 DGENE COPYRIGHT 2004 The Thomson Corp on STN

TI Use of a compound or composition for diagnosing, treating or preventing synovial sarcoma or a disease associated with Frizzled homologue 10, e.g. colorectal cancer, gastric cancer, chronic myeloid leukemia or acute myeloid leukemia.
IN Nakamura Y; Katagiri T
PA (ONCO-N) ONCOTHERAPY SCI INC.
(UYTY) UNIV TOKYO.
PI WO 2004020668 A2 20040311 143p
AI WO 2003-JP10591 20030821
PRAI US 2002-407506P 20020830
US 2003-486195P 20030711
DT Patent
LA English
OS 2004-239208 [22]
DESC ***Ephrin*** - ***B3*** (SYX 8) antisense S-oligonucleotide, SEQ ID NO:100.

L7 ANSWER 126 OF 159 DGENE COPYRIGHT 2004 The Thomson Corp on STN
AN ADL91706 DNA DGENE
TI Use of a compound or composition for diagnosing, treating or preventing synovial sarcoma or a disease associated with Frizzled homologue 10, e.g. colorectal cancer, gastric cancer, chronic myeloid leukemia or acute myeloid leukemia.
IN Nakamura Y; Katagiri T
PA (ONCO-N) ONCOTHERAPY SCI INC.
(UYTY) UNIV TOKYO.
PI WO 2004020668 A2 20040311 143p
AI WO 2003-JP10591 20030821
PRAI US 2002-407506P 20020830
US 2003-486195P 20030711
DT Patent
LA English
OS 2004-239208 [22]
DESC ***Ephrin*** - ***B3*** (SYX 8) control S-oligonucleotide, SEQ ID NO:107.

L7 ANSWER 127 OF 159 DGENE COPYRIGHT 2004 The Thomson Corp on STN
AN ADL91703 DNA DGENE
TI Use of a compound or composition for diagnosing, treating or preventing synovial sarcoma or a disease associated with Frizzled homologue 10, e.g. colorectal cancer, gastric cancer, chronic myeloid leukemia or acute myeloid leukemia.
IN Nakamura Y; Katagiri T
PA (ONCO-N) ONCOTHERAPY SCI INC.
(UYTY) UNIV TOKYO.
PI WO 2004020668 A2 20040311 143p
AI WO 2003-JP10591 20030821
PRAI US 2002-407506P 20020830
US 2003-486195P 20030711
DT Patent
LA English
OS 2004-239208 [22]
DESC ***Ephrin*** - ***B3*** (SYX 8) control S-oligonucleotide, SEQ ID NO:104.

L7 ANSWER 128 OF 159 DGENE COPYRIGHT 2004 The Thomson Corp on STN
AN ADL91698 DNA DGENE
TI Use of a compound or composition for diagnosing, treating or preventing synovial sarcoma or a disease associated with Frizzled homologue 10, e.g. colorectal cancer, gastric cancer, chronic myeloid leukemia or acute myeloid leukemia.
IN Nakamura Y; Katagiri T
PA (ONCO-N) ONCOTHERAPY SCI INC.
(UYTY) UNIV TOKYO.
PI WO 2004020668 A2 20040311 143p
AI WO 2003-JP10591 20030821
PRAI US 2002-407506P 20020830
US 2003-486195P 20030711
DT Patent
LA English
OS 2004-239208 [22]
DESC ***Ephrin*** - ***B3*** (SYX 8) antisense S-oligonucleotide, SEQ ID NO:99.

L7 ANSWER 129 OF 159 DGENE COPYRIGHT 2004 The Thomson Corp on STN

TI Use of a compound or composition for diagnosing, treating or preventing
 synovial sarcoma or a disease associated with Frizzled homologue 10, e.g.
 colorectal cancer, gastric cancer, chronic myeloid leukemia or acute
 myeloid leukemia.
 IN Nakamura Y; Katagiri T
 PA (ONCO-N) ONCOTHERAPY SCI INC.
 (UYTY) UNIV TOKYO.
 PI WO 2004020668 A2 20040311 143p
 AI WO 2003-JP10591 20030821
 PRAI US 2002-407506P 20020830
 US 2003-486195P 20030711
 DT Patent
 LA English
 OS 2004-239208 [22]
 DESC ***Ephrin*** - ***B3*** (SYX 8) antisense S-oligonucleotide, SEQ ID
 NO:103.

L7 ANSWER 130 OF 159 DGENE COPYRIGHT 2004 The Thomson Corp on STN
 AN ADL91707 DNA DGENE
 TI Use of a compound or composition for diagnosing, treating or preventing
 synovial sarcoma or a disease associated with Frizzled homologue 10, e.g.
 colorectal cancer, gastric cancer, chronic myeloid leukemia or acute
 myeloid leukemia.
 IN Nakamura Y; Katagiri T
 PA (ONCO-N) ONCOTHERAPY SCI INC.
 (UYTY) UNIV TOKYO.
 PI WO 2004020668 A2 20040311 143p
 AI WO 2003-JP10591 20030821
 PRAI US 2002-407506P 20020830
 US 2003-486195P 20030711
 DT Patent
 LA English
 OS 2004-239208 [22]
 DESC ***Ephrin*** - ***B3*** (SYX 8) control S-oligonucleotide, SEQ ID
 NO:108.

L7 ANSWER 131 OF 159 DGENE COPYRIGHT 2004 The Thomson Corp on STN
 AN ADL91705 DNA DGENE
 TI Use of a compound or composition for diagnosing, treating or preventing
 synovial sarcoma or a disease associated with Frizzled homologue 10, e.g.
 colorectal cancer, gastric cancer, chronic myeloid leukemia or acute
 myeloid leukemia.
 IN Nakamura Y; Katagiri T
 PA (ONCO-N) ONCOTHERAPY SCI INC.
 (UYTY) UNIV TOKYO.
 PI WO 2004020668 A2 20040311 143p
 AI WO 2003-JP10591 20030821
 PRAI US 2002-407506P 20020830
 US 2003-486195P 20030711
 DT Patent
 LA English
 OS 2004-239208 [22]
 DESC ***Ephrin*** - ***B3*** (SYX 8) control S-oligonucleotide, SEQ ID
 NO:106.

L7 ANSWER 132 OF 159 DGENE COPYRIGHT 2004 The Thomson Corp on STN
 AN ADL91701 DNA DGENE
 TI Use of a compound or composition for diagnosing, treating or preventing
 synovial sarcoma or a disease associated with Frizzled homologue 10, e.g.
 colorectal cancer, gastric cancer, chronic myeloid leukemia or acute
 myeloid leukemia.
 IN Nakamura Y; Katagiri T
 PA (ONCO-N) ONCOTHERAPY SCI INC.
 (UYTY) UNIV TOKYO.
 PI WO 2004020668 A2 20040311 143p
 AI WO 2003-JP10591 20030821
 PRAI US 2002-407506P 20020830
 US 2003-486195P 20030711
 DT Patent
 LA English
 OS 2004-239208 [22]
 DESC ***Ephrin*** - ***B3*** (SYX 8) antisense S-oligonucleotide, SEQ ID
 NO:102.

L7 ANSWER 133 OF 159 DGENE COPYRIGHT 2004 The Thomson Corp on STN

TI Use of a compound or composition for diagnosing, treating or preventing synovial sarcoma or a disease associated with Frizzled homologue 10, e.g. colorectal cancer, gastric cancer, chronic myeloid leukemia or acute myeloid leukemia.
 IN Nakamura Y; Katagiri T
 PA (ONCO-N) ONCOTHERAPY SCI INC.
 (UYTY) UNIV TOKYO.
 PI WO 2004020668 A2 20040311 143p
 AI WO 2003-JP10591 20030821
 PRAI US 2002-407506P 20020830
 US 2003-486195P 20030711
 DT Patent
 LA English
 OS 2004-239208 [22]
 DESC ***Ephrin*** - ***B3*** (SYX 8) reverse PCR primer, SEQ ID NO:16.

L7 ANSWER 134 OF 159 DGENE COPYRIGHT 2004 The Thomson Corp on STN
 AN ADL91704 DNA DGENE
 TI Use of a compound or composition for diagnosing, treating or preventing synovial sarcoma or a disease associated with Frizzled homologue 10, e.g. colorectal cancer, gastric cancer, chronic myeloid leukemia or acute myeloid leukemia.
 IN Nakamura Y; Katagiri T
 PA (ONCO-N) ONCOTHERAPY SCI INC.
 (UYTY) UNIV TOKYO.
 PI WO 2004020668 A2 20040311 143p
 AI WO 2003-JP10591 20030821
 PRAI US 2002-407506P 20020830
 US 2003-486195P 20030711
 DT Patent
 LA English
 OS 2004-239208 [22]
 DESC ***Ephrin*** - ***B3*** (SYX 8) control S-oligonucleotide, SEQ ID NO:105.

L7 ANSWER 135 OF 159 DGENE COPYRIGHT 2004 The Thomson Corp on STN
 AN ADL91700 DNA DGENE
 TI Use of a compound or composition for diagnosing, treating or preventing synovial sarcoma or a disease associated with Frizzled homologue 10, e.g. colorectal cancer, gastric cancer, chronic myeloid leukemia or acute myeloid leukemia.
 IN Nakamura Y; Katagiri T
 PA (ONCO-N) ONCOTHERAPY SCI INC.
 (UYTY) UNIV TOKYO.
 PI WO 2004020668 A2 20040311 143p
 AI WO 2003-JP10591 20030821
 PRAI US 2002-407506P 20020830
 US 2003-486195P 20030711
 DT Patent
 LA English
 OS 2004-239208 [22]
 DESC ***Ephrin*** - ***B3*** (SYX 8) antisense S-oligonucleotide, SEQ ID NO:101.

L7 ANSWER 136 OF 159 DGENE COPYRIGHT 2004 The Thomson Corp on STN
 AN ABX12547 cDNA DGENE
 TI Identifying modulators of binding between a Tie receptor tyrosine kinase and an Ephrin ligand, useful for promoting neovascularization, comprises contacting a Tie receptor with an Ephrin in the presence of a putative modulator -
 IN Alitalo K; Kubo H
 PA (LICN) LICENTIA LTD.
 PI WO 2003004529 A2 20030116 199p
 AI WO 2002-IB2524 20020702
 PRAI US 2001-302960P 20010702
 DT Patent
 LA English
 OS 2003-210341 [20]
 CR P-PSDB: ABU07846
 DESC cDNA encoding mouse ***ephrin*** - ***B3*** ligand.

L7 ANSWER 137 OF 159 DGENE COPYRIGHT 2004 The Thomson Corp on STN
 AN ABX12546 cDNA DGENE
 TI Identifying modulators of binding between a Tie receptor tyrosine kinase and an Ephrin ligand, useful for promoting neovascularization, comprises

modulator -

IN Alitalo K; Kubo H
PA (LICN) LICENTIA LTD.
PI WO 2003004529 A2 20030116 199p
AI WO 2002-IB2524 20020702
PRAI US 2001-302960P 20010702
DT Patent
LA English
OS 2003-210341 [20]
CR P-PSDB: ABU07845
DESC cDNA encoding human ***ephrin*** - ***B3*** ligand.

L7 ANSWER 138 OF 159 DGENE COPYRIGHT 2004 The Thomson Corp on STN
AN AAA52948 DNA DGENE
TI Method of facilitating regeneration, growth and/or development of a central nervous system in an animal or bird, for treating disease or trauma comprises modifying levels of Eph receptor -
IN Bartlett P F; Hartley L; Pilizzotto M; Kilpatrick T; Kontgen F; Coonan J; Greferath U; Boyd A W; Dottori M; Galea M; Paxinos G; Murphy M
PA (HALL-N) HALL INST MEDICAL RES WALTER & ELIZA.
(COUN-N) COUNCIL QUEENSLAND INST MEDICAL RES.
(UYME) UNIV MELBOURNE.
PI WO 2000024413 A1 20000504 48p
AI WO 1999-AU931 19991027
PRAI AU 1998-6748 19981027
DT Patent
LA English
OS 2000-350585 [30]
DESC Mouse ***Ephrin*** ***B3*** cDNA PCR primer #2.

L7 ANSWER 139 OF 159 DGENE COPYRIGHT 2004 The Thomson Corp on STN
AN AAA52947 DNA DGENE
TI Method of facilitating regeneration, growth and/or development of a central nervous system in an animal or bird, for treating disease or trauma comprises modifying levels of Eph receptor -
IN Bartlett P F; Hartley L; Pilizzotto M; Kilpatrick T; Kontgen F; Coonan J; Greferath U; Boyd A W; Dottori M; Galea M; Paxinos G; Murphy M
PA (HALL-N) HALL INST MEDICAL RES WALTER & ELIZA.
(COUN-N) COUNCIL QUEENSLAND INST MEDICAL RES.
(UYME) UNIV MELBOURNE.
PI WO 2000024413 A1 20000504 48p
AI WO 1999-AU931 19991027
PRAI AU 1998-6748 19981027
DT Patent
LA English
OS 2000-350585 [30]
DESC Mouse ***Ephrin*** ***B3*** cDNA PCR primer #1.

L7 ANSWER 140 OF 159 FEDRIP COPYRIGHT 2004 NTIS on STN
AN 2004:191375 FEDRIP
NR CRISP 2P01HD23315-16 0006
TI EPH FAMILY RECEPTORS & LIGANDS IN HIPPOCAMPAL SYSTEM
SF Principal Investigator: ZHOU, RENPING; UMDNJ-ROBERT W JOHNSON MED SCH, 675 HOES LANE
CSP UNIV OF MED/DENT NJ-R W JOHNSON MED SCH, PISCATAWAY, NEW JERSEY
CSS Supported By: NATIONAL INSTITUTE OF CHILD HEALTH AND HUMAN DEVELOPMENT
DB 2007 (/01/87)
FYR 2003
DE 2003 (/31/08)
FU Competing Continuation (Type 2)
FS National Institutes of Health

L7 ANSWER 141 OF 159 FEDRIP COPYRIGHT 2004 NTIS on STN
AN 2004:164868 FEDRIP
NR CRISP 5R01CA85519-03
TI Functions of Eph Receptors and Ephrins in Neuroblastoma
SF Principal Investigator: IKEGAKI, NAOHIKO; IKEGAKI@EMAIL.CHOP.EDU, CHILDREN'S HOSPITAL OF PHILADELPHIA, 3516 CIVIC CENTER BLVD
CSP CHILDREN'S HOSPITAL OF PHILADELPHIA, PHILADELPHIA, PENNSYLVANIA
CSS Supported By: NATIONAL CANCER INSTITUTE
DB 2007 (/01/01)
FYR 2003
DE 2006 (/30/06)
FU Noncompeting Continuation (Type 5)
FS National Institutes of Health

LOCUS (LOC): BV209208 GenBank (R)
 GenBank ACC. NO. (GBN): BV209208
 GenBank VERSION (VER): BV209208.1 GI:51853752
 CAS REGISTRY NO. (RN): 753950-77-5
 SEQUENCE LENGTH (SQL): 706
 MOLECULE TYPE (CI): DNA; linear
 DIVISION CODE (CI): Sequence Tag Site
 DATE (DATE): 2 Sep 2004
 DEFINITION (DEF): EFNB3 3177 Rhesus macaque genomic DNA Macaca mulatta
 STS genomic clone MMA3177, sequence tagged site.
 KEYWORDS (ST): STS
 SOURCE: Macaca mulatta (rhesus monkey)
 ORGANISM (ORGN): Macaca mulatta
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata;
 Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini;
 Cercopithecidae; Cercopithecinae; Macaca

COMMENT:

Contact: Spindel ER
 Division of Neuroscience
 Oregon National Primate Research Center
 505 NW 185th Avenue, Beaverton, OR 97006, USA
 Tel: 403-690-5388
 Fax: 503-690-5384
 Email: spindele@ohsu.edu
 Primer A: gactgtaagaggttagaggtg
 Primer B: aattcaagtccagtcattct
 STS size: 706
 PCR Profile:

Hot Start: 95 degrees C for 2.00 min
 Denaturation: 95 degrees C for 0.50 min
 Annealing: 51 degrees C for 0.50 min
 Polymerization: 72 degrees C for 1.00 min
 PCR Cycles: 35
 Extension: 72 degrees C for 7.0 min
 Thermal Cycler: MJ Instruments PTC100

Protocol:

Template: 200 ng
 Primer: each 1uM
 dNTP's: each 200 uM
 Taq Polymerase: 0.05 units/ul (Fast Start High

Fidelity, Roche)

Total Vol: 50 ul

Buffer:

MgCl2: 1.8 mM
 Fast Start polymerase reaction buffer (Roche)

Bases 1-697 are 95% homologous (Blast) to bases 2529-3219 of
 NM 001406.2. Primers were chosen to amplify genomic DNA in the 3'
 region of EFNB3. As human sequence was used to design the primers,
 the primer sequences are not included in the rhesus sequence
 provided below. To obtain additional information regarding
 primers or clones contact: Dr. Robert Norgren; Dept of Genetics,
 Cell Biology & Anatomy; University of Nebraska Medical Center;
 986395 Nebraska Medical Center; Omaha, NE 68198. Email:
 rnorgren@unmc.edu

A database containing sequences associated with this project can be
 found at: <http://rhesusgenechip.unomaha.edu/index.html>.

REFERENCE:

1 (bases 1 to 706)

AUTHOR (AU): Spindel, E.R.; Pauley, M.; Jia, Y.; Boyle, N.; Jiang, S.;
 Gravett, C.; Lupo, S.L.; Ali, H.; Ojeda, S.R.; Norgren, R.B.
 TITLE (TI): Targeted amplification of the 3' end of rhesus macaque
 orthologs of human genes
 JOURNAL (SO): Unpublished (2004)

FEATURES (FEAT):

Feature Key	Location	Qualifier
source	1..706	/organism="Macaca mulatta" /mol-type="genomic DNA" /strain="Indian orgin" /db-xref="taxon:9544" /clone="MMA3177" /clone-lib="Rhesus macaque genomic DNA"

/note="Organ: Liver; Vector:
pGEM-T Easy; V-type: Plasmid; cDNA
amplified from rhesus genomic DNA
with the human forward and reverse
primers listed above and subcloned
into pGEM-T Easy
/gene="EFNB3"
/note="ephrin-B3"
/gene="EFNB3"

gene 1..706
STS <1..>706

SEQUENCE (SEQ):

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1 gaccgagaag gacttttccc agtcttcagt ggcacttccc aagatctccc ttcccttggtg
61 ctctgtgctg atttttaggac agctaagatg actgccatgc gctgtggcag gcccaatttg
121 tcttggttctt tcctttccat atcccagtat aatctctgtt catcaacagt actaccccaa
181 gaatccatgt gttctcccga gtaaccacaga tggctgtctt gttcattcca tcctccattt
241 ccgactcctt tcagactcaa catagttccc ttcttagtga ccaaaatggg ggcctactgg
301 ctggtctagc tgacgggtggg ggtatttagc aaaggccact gttcccatag tgaccagctg
361 ataccacttc ctgccctcta gtgtgcaatt ggggtgtgccc tcagtttccc cccagctcag
421 ttttattaga tcaaagctgc tgttggggcac cagggtcgcc acctcaatca ccagccaaga
481 tgggtgcttt gtccaccaga ggtcaatcac ctctctgggtg ctgtagtcc cagctccttc
541 ctgatttttc taatcgctcc ttctgggaaa caggaagtgt atattgccat ggtggcgggg
601 tatgccgtca cctcaatagt ttactgtaa aagggaaatt tgaacaacaa aaacccaaaa
661 aataaaaata aaaataaaaa acttcaaaag ttaacaagaa ggctgg
```

L7 ANSWER 143 OF 159 GENBANK.RTM. COPYRIGHT 2004 on STN

LOCUS (LOC): BC058617 GenBank (R)
GenBank ACC. NO. (GBN): BC058617
GenBank VERSION (VER): BC058617.1 GI:35193185
CAS REGISTRY NO. (RN): 593907-44-9
SEQUENCE LENGTH (SQL): 3135
MOLECULE TYPE (CI): mRNA; linear
DIVISION CODE (CI): Rodents
DATE (DATE): 30 Jun 2004
DEFINITION (DEF): Mus musculus ***ephrin*** ***B3***, mRNA (cDNA
clone MGC:64741 IMAGE:5695418), complete cds.
KEYWORDS (ST): MGC
SOURCE: Mus musculus (house mouse)
ORGANISM (ORGN): Mus musculus
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata;
Euteleostomi; Mammalia; Eutheria; Rodentia;
Sciurognathi; Muridae; Murinae; Mus

COMMENT:

Contact: MGC help desk
Email: cgapbs-r@mail.nih.gov
Tissue Procurement: Dr. Jim Lin, University of Iowa
cDNA Library Preparation: M. Bento Soares, University of Iowa
cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: University of Iowa, Dr. M. Bento Soares and Dr.
Thomas L. Casavant.
Web site: <http://genome.uiowa.edu>
Contact: bento-soares@uiowa.edu; tom-casavant@uiowa.edu
Bonaldo, M.F.; Akabogu, I.; Bair, T.; Bair, J.; Crouch, K.; Davis, A.;
Fishler, K.; Keppel, C.; Kucaba, T.; Lebeck, M.; Melo, A.; Schaefer, K.;
Scheetz, T.; Smith, C.; Snir, E.; Tack, D.; Trout, K.; Walters, J.;
Casavant, T.; Soares, M.B.
Clone distribution: MGC clone distribution information can be found
through the I.M.A.G.E. Consortium/LLNL at: <http://image.llnl.gov>
Series: Plate: Row: Column: 0
This clone was selected for full length sequencing because it
passed the following selection criteria: matched mRNA gi: 24475899.

REFERENCE: 1 (bases 1 to 3135)
AUTHOR (AU): Strausberg, R.L.; Feingold, E.A.; Grouse, L.H.;
Derge, J.G.; Klausner, R.D.; Collins, F.S.; Wagner, L.;
Shenmen, C.M.; Schuler, G.D.; Altschul, S.F.; Zeeberg, B.;
Buetow, K.H.; Schaefer, C.F.; Bhat, N.K.; Hopkins, R.F.;
Jordan, H.; Moore, T.; Max, S.I.; Wang, J.; Hsieh, F.;
Diatchenko, L.; Marusina, K.; Farmer, A.A.; Rubin, G.M.;
Hong, L.; Stapleton, M.; Soares, M.B.; Bonaldo, M.F.;
Casavant, T.L.; Scheetz, T.E.; Brownstein, M.J.;
Usdin, T.B.; Toshiyuki, S.; Carninci, P.; Prange, C.;
Raha, S.S.; Loquellano, N.A.; Peters, G.J.; Abramson, R.D.;
Mullahy, S.J.; Bosak, S.A.; McEwan, P.J.; McKernan, K.J.;
Malek, J.A.; Gunaratne, P.H.; Richards, S.; Worley, K.C.;
Hale, S.; Garcia, A.M.; Gay, L.J.; Hulyk, S.W.;

Gibbs, R.A.; Fahey, J.; Helton, E.; Kettelman, M.; Madan, A.;
 Rodrigues, S.; Sanchez, A.; Whiting, M.; Madan, A.;
 Young, A.C.; Shevchenko, Y.; Bouffard, G.G.;
 Blakesley, R.W.; Touchman, J.W.; Green, E.D.;
 Dickson, M.C.; Rodriguez, A.C.; Greenwood, J.; Schmutz, J.;
 Myers, R.M.; Butterfield, Y.S.; Krzywinski, M.I.;
 Skalska, U.; Smailus, D.E.; Schnerch, A.; Schein, J.E.;
 Jones, S.J.; Marra, M.A.

TITLE (TI): Generation and initial analysis of more than 15,000
 full-length human and mouse cDNA sequences
 JOURNAL (SO): Proc. Natl. Acad. Sci. U.S.A., 99 (26), 16899-16903
 (2002)

OTHER SOURCE (OS): CA 138:67676
 REFERENCE: 2 (bases 1 to 3135)
 AUTHOR (AU): Strausberg, R.
 TITLE (TI): Direct Submission
 JOURNAL (SO): Submitted (22-SEP-2003) National Institutes of Health,
 Mammalian Gene Collection (MGC), Cancer Genomics
 Office, National Cancer Institute, 31 Center Drive,
 Room 11A03, Bethesda, MD 20892-2590, USA

FEATURES (FEAT):

Feature Key	Location	Qualifier
source	1..3135	/organism="Mus musculus" /mol-type="mRNA" /strain="C57BL/6" /db-xref="taxon:10090" /clone="MGC:64741 IMAGE:5695418" /tissue-type="Brain, day 18.5pc (3 -4 kb fragment)" /clone-lib="NIH-BMAP-EH0p" /lab-host="DH10B"
gene	1..3135	/note="Vector: pYX-ASC" /gene="Efnb3" /note="synonyms: Elk-L3, EFL-6, ELF-3, LERK-8, NLERK-2" /db-xref="LocusID:13643" /db-xref="MGI:109196"
CDS	358..1380	/gene="Efnb3" /codon-start=1 /product="ephrin B3" /protein-id="AAH58617.1" /db-xref="GI:35193186" /db-xref="LocusID:13643" /db-xref="MGI:109196" /translation="MGAPHFGPGGVQVGALLLLG FAGLVSGLSLEPVYWN SANKRFQA EGGYVLYPQIGDRLDLLCPRARPPGPHSSPSYEF YKLYLVEGAQGRRC EAPPAPNLLL TCDRPDLDLRFTIKFQEYSPNLWGHEFRSHHDYY IIATSDGTREGLES LQGGVCLTRG MKVLLRVGQSPRGGAVPRKPVSEMPMERDRGAAH SAEPGRDTIPGDPSSNATSRGAEG PLPPPSMPAVAGAAGGMALLLLGVAGAGGAMCWR RRRAKPSES RHPGPGSFGRGGS LG LGGGGGMGP REAEPGELGIALRGGGTADPPFCPH YEKVS GDYGHVPYIVQDGPPQSP NIYYKV"

SEQUENCE (SEQ):

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121 gtgcggcgcg tgggccgggg gcgcgtaagg cgcctgcaga cggccctgac aagggttctt
181 gtggggctga gcgctctgga gccggggagc aagcatcgca gaaaagaggg tccttggtgg
241 agctgggggt gactagccac ccaccagggt gactgggggt ccacagcgtg gtagccaccc
301 ctgggggtga gagactttgg gggagttggt gccccgcccc caggccttgg tagggtcag
361 ggggcccccc attttgggcc aggggtgtgt caagtcgggg ccctgctgct gttaggtttt
421 gcggggctgg tatctggact cagcctggag cctgtctact ggaactcggc gaataagagg
481 ttccaggcag agggcggtta cgtgctttat cctcagatcg gggaccggct agatctactt
541 tgtccccggg ctcggcctcc tggccccac tctctccta gttatgagtt ctacaaactg
601 tacctggtag aggggtgccc gggtcggcgt tgtgaggcac ccctgcccc aaaccttctt
661 ctcacatgtg accggccaga cctggacctc cgcttcacca tcaagttcca ggaatacagc
721 cctaacctct ggggccacga gttccgatcc caccacgatt actacataa tgccacatca
781 gacgggaccc ggggaaggcct tgagaagcttg caaggaggcg tgtgcctaac cagaggcatg
841 aagggtgcttc tgcgagtggg acaaagtccc cgaggaggag ctgtacccccg aaaacctgtg

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961 accâtaaccâg gtgaâccâg câgcaâtgâ âccâcccggg gtgctgaagg cccâctgâcc
1021 cctcccagca tgcccgcagt ggctggggca gcagggggga tggcgctgct cttgctgggc
1081 gtggcagggg ctgggggtgc catgtgttg cggagacggc gggccaagcc ttcggagagt
1141 cgccaccctg gtcttggtc ctttgggagg ggagggtctc tgggcctggg tgggtggagg
1201 gggatggggc ctcggaagc tgagcctggg gagctaggaa tagccctgcg ggggtggagg
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1381 gggctcctcc cacctggctc tcctcaatct agcctccat ggggtgctcc tccagtgtaa
1441 ttcatgggat gagggacacc tgcgccatga ctttggcccc ctttgcccta ccagctcttt
1501 ggctcctcct ggctatagcc ctcatctcca attttaggat cccttaagac ttgactacac
1561 ctttctctga cctcccagc tgacctcat ttgactgtgg gcactcctc gtttctgcct
1621 cttaggggag gggggtcaca ggctcagcct cccttaatca ctaccagggt gtcttctctc
1681 cctcaccac ccagagtggg ggtggggaca gtctgtcttt tgggtggcac ctcttctgc
1741 ctctcaccat ttttctctc tctctatttc ttattctctc tctctcctgt gtctaggtct
1801 gttctcttcc tcctccctag cctcctcctt acatctcctt ttaccctctc ggcttcttgt
1861 ccttctctgt cctctcacgt gtctcctggg ttggggcatc aaagcatctc tcctctttgc
1921 tcttgccctt ttccaacct tcatacaca tgctccctc tgtccgcaa aaacgggggc
1981 ttgcggggg tgggggggag attctggaac tctaccccc cagctccagg catgggcaca
2041 gggcctcttt cctgccttt ctgtgtactt actccagcca tttgggggtgg ttattgggcc
2101 acaactacta ccatgagaag aagtgtcctg ttgtggccag tggctgatag gaagacatga
2161 agcagtgtgg acatgatgga ctgtgtctga tgccgaatgg gcacagata ggaagtgact
2221 cgttccagac aagaagtgac caggcctgga cagaaatggc ctgggaagtg tccgcagcag
2281 gaactggaag tgccttcac cagaacagga agtcgcactt ctgaaatagg aagtggctctg
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2461 gctggaactt accactgtga gaggacagat gtggactgag agttttctta gtgttcagt
2521 gcacttccca aggaccctt ccttgtgtg ctgtgcagtt ttaggacag ctaagatgac
2581 tgccacttgc tgtggcaggc ccaatttgc ttgttctccc cttactgtac cccagtataa
2641 tctctgttga tcaacagaac taccccaaga acccacatgt tctccccacc taaccagacg
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2821 gacaagccta tacctcttcc cgctctttag tgtgcagtgg gctgctgcct cgggtgtctc
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3001 cagctccttc tagggaacag gaagttgata ttgccattgg ggaggtggcg gggatatggc
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3121 aaaaaaaaaa aaaaaa

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L7 ANSWER 144 OF 159 GENBANK.RTM. COPYRIGHT 2004 on STN

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LOCUS (LOC): BC052001 GenBank (R)
GenBank ACC. NO. (GBN): BC052001
GenBank VERSION (VER): BC052001.1 GI:30354178
CAS REGISTRY NO. (RN): 513370-12-2
SEQUENCE LENGTH (SQL): 3039
MOLECULE TYPE (CI): mRNA; linear
DIVISION CODE (CI): Rodents
DATE (DATE): 30 Jun 2004
DEFINITION (DEF): Mus musculus ***eph rin*** ***B3*** , mRNA (cDNA
clone MGC:62320 IMAGE:5695429), complete cds.
KEYWORDS (ST): MGC
SOURCE: Mus musculus (house mouse)
ORGANISM (ORGN): Mus musculus
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata;
Euteleostomi; Mammalia; Eutheria; Rodentia;
Sciurognathi; Muridae; Murinae; Mus

```

COMMENT:

```

Contact: MGC help desk
Email: cgapbs-r@mail.nih.gov
Tissue Procurement: Dr. Jim Lin, University of Iowa
cDNA Library Preparation: M. Bento Soares, University of Iowa
cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Sequencing Group at the Stanford Human Genome
Center, Stanford University School of Medicine, Stanford, CA 94305
Web site: http://www-shgc.stanford.edu
Contact: (Dickson, Mark) mcd@paxil.stanford.edu
Dickson, M., Schmutz, J., Grimwood, J., Rodriguez, A., and Myers,
R. M.
Clone distribution: MGC clone distribution information can be found
through the I.M.A.G.E. Consortium/LLNL at: http://image.llnl.gov
Series: IRAK Plate: 114 Row: d Column: 9
This clone was selected for full length sequencing because it
passed the following selection criteria: matched mRNA gi: 24475899.

```

```

REFERENCE: 1 (bases 1 to 3039)
AUTHOR (AU): Strausberg,R.L.; Feingold,E.A.; Grouse,L.H.;

```

Shenmen, C.M.; Schuler, G.D.; Altschul, S.F.; Zeeberg, B.;
 Buetow, K.H.; Schaefer, C.F.; Bhat, N.K.; Hopkins, R.F.;
 Jordan, H.; Moore, T.; Max, S.I.; Wang, J.; Hsieh, F.;
 Diatchenko, L.; Marusina, K.; Farmer, A.A.; Rubin, G.M.;
 Hong, L.; Stapleton, M.; Soares, M.B.; Bonaldo, M.F.;
 Casavant, T.L.; Scheetz, T.E.; Brownstein, M.J.;
 Usdin, T.B.; Toshiyuki, S.; Carninci, P.; Prange, C.;
 Raha, S.S.; Loquellano, N.A.; Peters, G.J.; Abramson, R.D.;
 Mullahy, S.J.; Bosak, S.A.; McEwan, P.J.; McKernan, K.J.;
 Malek, J.A.; Gunaratne, P.H.; Richards, S.; Worley, K.C.;
 Hale, S.; Garcia, A.M.; Gay, L.J.; Hulyk, S.W.;
 Villalon, D.K.; Muzny, D.M.; Sodergren, E.J.; Lu, X.;
 Gibbs, R.A.; Fahey, J.; Helton, E.; Kettelman, M.; Madan, A.;
 Rodrigues, S.; Sanchez, A.; Whiting, M.; Madan, A.;
 Young, A.C.; Shevchenko, Y.; Bouffard, G.G.;
 Blakesley, R.W.; Touchman, J.W.; Green, E.D.;
 Dickson, M.C.; Rodriguez, A.C.; Grimwood, J.; Schmutz, J.;
 Myers, R.M.; Butterfield, Y.S.; Krzywinski, M.I.;
 Skalska, U.; Smailus, D.E.; Schnerch, A.; Schein, J.E.;
 Jones, S.J.; Marra, M.A.

TITLE (TI): Generation and initial analysis of more than 15,000
 full-length human and mouse cDNA sequences
 JOURNAL (SO): Proc. Natl. Acad. Sci. U.S.A., 99 (26), 16899-16903
 (2002)

OTHER SOURCE (OS): CA 138:67676
 REFERENCE: 2 (bases 1 to 3039)

AUTHOR (AU): Strausberg, R.
 TITLE (TI): Direct Submission
 JOURNAL (SO): Submitted (01-MAY-2003) National Institutes of Health,
 Mammalian Gene Collection (MGC), Cancer Genomics
 Office, National Cancer Institute, 31 Center Drive,
 Room 11A03, Bethesda, MD 20892-2590, USA

FEATURES (FEAT):

Feature Key	Location	Qualifier
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gene	1..3039	/note="Vector: pYX-ASC" /gene="Efnb3" /note="synonyms: Elk-L3, EFL-6, ELF-3, LERK-8, NLERK-2" /db-xref="LocusID:13643" /db-xref="MGI:109196"
CDS	242..1264	/gene="Efnb3" /codon-start=1 /product="ephrin B3" /protein-id="AAH52001.1" /db-xref="GI:30354179" /db-xref="LocusID:13643" /db-xref="MGI:109196" /translation="MGAPHFGPGGVQVGALLLLG FAGLVSGLSLEPVYWSANKRFQA EGGYVLYPQIGDRLDLLCPRARPPGPHSSPSYEF YKLYLVEGAQGRRCCEAPPAPNLLL TCDRDLDLRFTIKFQEYSPNLWGHEFRSHHDYY IIATSDGTREGLESLOGGVCLTRG MKVLLRVGQSPRGGAVPRKPVSEMPMERDRGAAH SAEPGRDTIPGDPSSNATSRGAEG PLPPSPMPAVAGAAGGMALLLLGVAGAGGAMCWR RRRAKPSESRRHPGPGSFGRGGS LG LGGGGMGMPREAEPEGELGIALRGGGTADPPFCPH YEKVS GDYGHVPYIVQDGPPQSP NIYYKV"

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L7 ANSWER 145 OF 159 GENBANK.RTM. COPYRIGHT 2004 on STN

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LOCUS (LOC): AX671064 GenBank (R)
GenBank ACC. NO. (GBN): AX671064
GenBank VERSION (VER): AX671064.1 GI:29329529
CAS REGISTRY NO. (RN): 504048-07-1
SEQUENCE LENGTH (SQL): 1023
MOLECULE TYPE (CI): DNA; linear
DIVISION CODE (CI): Patent
DATE (DATE): 27 Mar 2003
DEFINITION (DEF): Sequence 19 from Patent WO03004529.
SOURCE: Mus musculus (house mouse)
ORGANISM (ORGN): Mus musculus
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata;
Euteleostomi; Mammalia; Eutheria; Rodentia;
Sciurognathi; Muridae; Murinae; Mus
NUCLEIC ACID COUNT (NA): 191 a 296 c 341 g 195 t
REFERENCE: 1
AUTHOR (AU): Alitalo, K.; Kubo, H.
TITLE (TI): Ephrin-tie receptor materials and methods
JOURNAL (SO): Patent: WO 03004529-A 19 16-JAN-2003; Licentia Ltd.
(FI)

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Feature Key Location Qualifier
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L7 ANSWER 146 OF 159 GENBANK.RTM. COPYRIGHT 2004 on STN

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LOCUS (LOC): AX671062 GenBank (R)  
GenBank ACC. NO. (GBN): AX671062  
GenBank VERSION (VER): AX671062.1 GI:29329527  
CAS REGISTRY NO. (RN): 504048-06-0  
SEQUENCE LENGTH (SQL): 2987  
MOLECULE TYPE (CI): DNA; linear  
DIVISION CODE (CI): Patent  
DATE (DATE): 27 Mar 2003  
DEFINITION (DEF): Sequence 17 from Patent WO03004529.  
SOURCE: Homo sapiens (human)  
ORGANISM (ORGN): Homo sapiens  
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata;  
Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini;  
Hominidae; Homo  
NUCLEIC ACID COUNT (NA): 529 a 886 c 864 g 708 t  
REFERENCE: 1  
AUTHOR (AU): Alitalo, K.; Kubo, H.  
TITLE (TI): Ephrin-tie receptor materials and methods  
JOURNAL (SO): Patent: WO 03004529-A 17 16-JAN-2003; Licentia Ltd.  
(FI)
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L7 ANSWER 147 OF 159 GENBANK.RTM. COPYRIGHT 2004 on STN

LOCUS (LOC): BC042944 GenBank (R)
 GenBank ACC. NO. (GBN): BC042944
 GenBank VERSION (VER): BC042944.2 GI:34193522
 CAS REGISTRY NO. (RN): 495664-88-5
 SEQUENCE LENGTH (SQL): 2338
 MOLECULE TYPE (CI): mRNA; linear
 DIVISION CODE (CI): Primates
 DATE (DATE): 30 Jun 2004
 DEFINITION (DEF): Homo sapiens ***ephrin*** - ***B3***, mRNA (cDNA clone MGC:41892 IMAGE:5286243), complete cds.
 KEYWORDS (ST): MGC
 SOURCE: Homo sapiens (human)
 ORGANISM (ORGN): Homo sapiens

COMMENT:

On Aug 25, 2003 this sequence version replaced gi:27696534.
Contact: MGC help desk
Email: cgapbs-r@mail.nih.gov
Tissue Procurement: Miklos Palkovits, M.D., Ph.D.
cDNA Library Preparation: Michael J. Brownstein (NHGRI) & Shiraki
Toshiyuki and Piero Carninci (RIKEN)
cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Genome Sequence Centre,
BC Cancer Agency, Vancouver, BC, Canada
info@bcgsc.bc.ca
Steve Jones, Sarah Barber, Mabel Brown-John, Yaron Butterfield,
Andy Chan, Steve S. Chand, William Chow, Alison Cloutier, Ruth
Featherstone, Malachi Griffith, Obi Griffith, Ran Guin, Nancy Liao,
Kim MacDonald, Amara Masson, Mike R. Mayo, Josh Moran, Ryan Morin,
Teika Olson, Diana Palmquist, Anca Petrescu, Anna Liisa Prahbu,
Parvaneh Saeedi, JR Santos, Angelique Schnerch, Ursula Skalska,
Duane Smailus, Jeff Stott, Miranda Tsai, George Yang, Jacquie
Schein, Asim Siddiqui, Rob Holt, Marco Marra.
Clone distribution: MGC clone distribution information can be found
through the I.M.A.G.E. Consortium/LLNL at: <http://image.llnl.gov>
Series: IRAK Plate: 76 Row: a Column: 9
This clone was selected for full length sequencing because it
passed the following selection criteria: matched mRNA gi: 27894382.

REFERENCE:

AUTHOR (AU):

1 (bases 1 to 2338)
Strausberg, R.L.; Feingold, E.A.; Grouse, L.H.;
Derge, J.G.; Klausner, R.D.; Collins, F.S.; Wagner, L.;
Shenmen, C.M.; Schuler, G.D.; Altschul, S.F.; Zeeberg, B.;
Buetow, K.H.; Schaefer, C.F.; Bhat, N.K.; Hopkins, R.F.;
Jordan, H.; Moore, T.; Max, S.I.; Wang, J.; Hsieh, F.;
Diatchenko, L.; Marusina, K.; Farmer, A.A.; Rubin, G.M.;
Hong, L.; Stapleton, M.; Soares, M.B.; Bonaldo, M.F.;
Casavant, T.L.; Scheetz, T.E.; Brownstein, M.J.;
Usdin, T.B.; Toshiyuki, S.; Carninci, P.; Prange, C.;
Raha, S.S.; Loquellano, N.A.; Peters, G.J.; Abramson, R.D.;
Mullahy, S.J.; Bosak, S.A.; McEwan, P.J.; McKernan, K.J.;
Malek, J.A.; Gunaratne, P.H.; Richards, S.; Worley, K.C.;
Hale, S.; Garcia, A.M.; Gay, L.J.; Hulyk, S.W.;
Villalon, D.K.; Muzny, D.M.; Sodergren, E.J.; Lu, X.;
Gibbs, R.A.; Fahey, J.; Helton, E.; Kettelman, M.; Madan, A.;
Rodrigues, S.; Sanchez, A.; Whiting, M.; Madan, A.;
Young, A.C.; Shevchenko, Y.; Bouffard, G.G.;
Blakesley, R.W.; Touchman, J.W.; Green, E.D.;
Dickson, M.C.; Rodriguez, A.C.; Grimwood, J.; Schmutz, J.;
Myers, R.M.; Butterfield, Y.S.; Krzywinski, M.I.;
Skalska, U.; Smailus, D.E.; Schnerch, A.; Schein, J.E.;
Jones, S.J.; Marra, M.A.

TITLE (TI):

Generation and initial analysis of more than 15,000
full-length human and mouse cDNA sequences

JOURNAL (SO):

Proc. Natl. Acad. Sci. U.S.A., 99 (26), 16899-16903
(2002)

OTHER SOURCE (OS):

CA 138:67676

REFERENCE:

AUTHOR (AU):

2 (bases 1 to 2338)

TITLE (TI):

Direct Submission

JOURNAL (SO):

Submitted (09-JAN-2003) National Institutes of Health,
Mammalian Gene Collection (MGC), Cancer Genomics
Office, National Cancer Institute, 31 Center Drive,
Room 11A03, Bethesda, MD 20892-2590, USA

FEATURES (FEAT):

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gene	1..2338	/note="Vector: pBluescript" /gene="EFNB3" /note="synonyms: LERK8, EFL6,

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/db-xref="MIM:602297"
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YKLYLVGGAQGRRCCEAPPAPNLLL
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IIATSDGTREGLESLOGGVCLTRG
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SLEPGKENLPGDPTSNATSRGAEG
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L7 ANSWER 148 OF 159 GENBANK.RTM. COPYRIGHT 2004 on STN

LOCUS (LOC): AX578105 GenBank (R)
 GenBank ACC. NO. (GBN): AX578105
 GenBank VERSION (VER): AX578105.1 GI:27647313
 CAS REGISTRY NO. (RN): 495565-98-5
 SEQUENCE LENGTH (SQL): 3394
 MOLECULE TYPE (CI): DNA; linear
 DIVISION CODE (CI): Patent
 DATE (DATE): 8 Jan 2003
 DEFINITION (DEF): Sequence 227 from Patent WO02081745.
 SOURCE: Homo sapiens (human)

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata;
Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini;
Hominidae; Homo

NUCLEIC ACID COUNT (NA): 625 a 949 c 945 g 875 t

REFERENCE:

AUTHOR (AU): 1
Garcia, T.; roman Roman, S.; Baron, R.; Call, K.;
Theilhaber, J.; Connolly, T.; Jackson, A.; Bushnell, S.E.;
Rawadi, G.

TITLE (TI): Genes involved in osteogenesis, and methods of use
JOURNAL (SO): Patent: WO 02081745-A 227 17-OCT-2002; Aventis Pharma
S.A. (FR)

FEATURES (FEAT):

Feature Key	Location	Qualifier
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LOCUS (LOC): AK048305 GenBank (R)
GenBank ACC. NO. (GBN): AK048305
GenBank VERSION (VER): AK048305.1 GI:26339255
CAS REGISTRY NO. (RN): 492920-48-6
SEQUENCE LENGTH (SQL): 3126
MOLECULE TYPE (CI): mRNA; linear
DIVISION CODE (CI): High-Throughput CDNA Sequencing
DATE (DATE): 3 Apr 2004
DEFINITION (DEF): Mus musculus 16 days embryo head cDNA, RIKEN
full-length enriched library, clone:C130048B01
product:m- ***ephrin*** - ***B3*** mRNA, full
insert sequence.
KEYWORDS (ST): HTC; CAP trapper
SOURCE: Mus musculus (house mouse)
ORGANISM (ORGN): Mus musculus
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata;
Euteleostomi; Mammalia; Eutheria; Rodentia;
Sciurognathi; Muridae; Murinae; Mus

COMMENT:
cDNA library was prepared and sequenced in Mouse Genome
Encyclopedia Project of Genome Exploration Research Group in Riken
Genomic Sciences Center and Genome Science Laboratory in RIKEN.
Division of Experimental Animal Research in Riken contributed to
prepare mouse tissues.
Please visit our web site for further details.
URL:<http://genome.gsc.riken.jp/>
URL:<http://fantom.gsc.riken.jp/>.

REFERENCE: 1
AUTHOR (AU): Carninci, P.; Hayashizaki, Y.
TITLE (TI): High-efficiency full-length cDNA cloning
JOURNAL (SO): Meth. Enzymol., 303, 19-44 (1999)
OTHER SOURCE (OS): CA 131:318304
REFERENCE: 2
AUTHOR (AU): Carninci, P.; Shibata, Y.; Hayatsu, N.; Sugahara, Y.;
Shibata, K.; Itoh, M.; Konno, H.; Okazaki, Y.;
Muramatsu, M.; Hayashizaki, Y.
TITLE (TI): Normalization and subtraction of cap-trapper-selected
cDNAs to prepare full-length cDNA libraries for rapid
discovery of new genes
JOURNAL (SO): Genome Res., 10 (10), 1617-1630 (2000)
OTHER SOURCE (OS): CA 134:305920
REFERENCE: 3
AUTHOR (AU): Shibata, K.; Itoh, M.; Aizawa, K.; Nagaoka, S.; Sasaki, N.;
Carninci, P.; Konno, H.; Akiyama, J.; Nishi, K.;
Kitsunai, T.; Tashiro, H.; Itoh, M.; Sumi, N.; Ishii, Y.;
Nakamura, S.; Hazama, M.; Nishine, T.; Harada, A.;
Yamamoto, R.; Matsumoto, H.; Sakaguchi, S.; Ikegami, T.;
Kashiwagi, K.; Fujiwake, S.; Inoue, K.; Togawa, Y.;
Izawa, M.; Ohara, E.; Watahiki, M.; Yoneda, Y.;
Ishikawa, T.; Ozawa, K.; Tanaka, T.; Matsuura, S.;
Kawai, J.; Okazaki, Y.; Muramatsu, M.; Inoue, Y.; Kira, A.;
Hayashizaki, Y.
TITLE (TI): RIKEN integrated sequence analysis (RISA)
system--384-format sequencing pipeline with 384
multicapillary sequencer
JOURNAL (SO): Genome Res., 10 (11), 1757-1771 (2000)
REFERENCE: 4
AUTHOR (AU): The RIKEN Genome Exploration Research Group Phase II
Team; the FANTOM Consortium.
TITLE (TI): Functional annotation of a full-length mouse cDNA
collection
JOURNAL (SO): Nature, 409, 685-690 (2001)
OTHER SOURCE (OS): CA 134:203311
REFERENCE: 5
AUTHOR (AU): The FANTOM Consortium; the RIKEN Genome Exploration
Research Group Phase I & II Team.
TITLE (TI): Analysis of the mouse transcriptome based on functional
annotation of 60,770 full-length cDNAs
JOURNAL (SO): Nature, 420, 563-573 (2002)
OTHER SOURCE (OS): CA 138:131939

AUTHOR (AU):

Adachi, J.; Aizawa, K.; Akimura, T.; Arakawa, T.; Bono, H.;
Carninci, P.; Fukuda, S.; Furuno, M.; Hanagaki, T.;
Hara, A.; Hashizume, W.; Hayashida, K.; Hayatsu, N.;
Hiramoto, K.; Hiraoka, T.; Hirozane, T.; Hori, F.;
Imotani, K.; Ishii, Y.; Itoh, M.; Kagawa, I.; Kasukawa, T.;
Kato, H.; Kawai, J.; Kojima, Y.; Kondo, S.; Konno, H.;
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Miyazaki, A.; Murata, M.; Nakamura, M.; Nishi, K.;
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Saito, R.; Saitoh, H.; Sakai, C.; Sakai, K.; Sakazume, N.;
Sano, H.; Sasaki, D.; Shibata, K.; Shinagawa, A.;
Shiraki, T.; Sogabe, Y.; Tagami, M.; Tagawa, A.;
Takahashi, F.; Takaku-Akahira, S.; Takeda, Y.; Tanaka, T.;
Tomaru, A.; Toya, T.; Yasunishi, A.; Muramatsu, M.;
Hayashizaki, Y.

TITLE (TI):

JOURNAL (SO):

Direct Submission
Submitted (16-JUL-2001) Yoshihide Hayashizaki, The
Institute of Physical and Chemical Research (RIKEN),
Laboratory for Genome Exploration Research Group, RIKEN
Genomic Sciences Center (GSC), RIKEN Yokohama
Institute; 1-7-22 Suehiro-cho, Tsurumi-ku, Yokohama,
Kanagawa 230-0045, Japan (E-mail:genome-
res@gsc.riken.jp, URL:http://genome.gsc.riken.jp/,
Tel:81-45-503-9222, Fax:81-45-503-9216)

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L7 ANSWER 150 OF 159 GENBANK.RTM. COPYRIGHT 2004 on STN

LOCUS (LOC): BC022499 GenBank (R)
GenBank ACC. NO. (GBN): BC022499
GenBank VERSION (VER): BC022499.1 GI:18490292
CAS REGISTRY NO. (RN): 392429-35-5
SEQUENCE LENGTH (SQL): 2673
MOLECULE TYPE (CI): mRNA; linear
DIVISION CODE (CI): Primates
DATE (DATE): 4 Feb 2002
DEFINITION (DEF): Homo sapiens, Similar to ***ephrin*** ***B3***
clone IMAGE:4814898, mRNA, partial cds.
SOURCE: human.
ORGANISM (ORGN): Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata;
Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini;
Hominidae; Homo
NUCLEIC ACID COUNT (NA): 532 a 788 c 703 g 650 t
COMMENT:

Contact: MGC help desk
Email: cgapbs-r@mail.nih.gov
Tissue Procurement: Miklos Palkovits, M.D., Ph.D.
cDNA Library Preparation: Michael J. Brownstein (NHGRI) & Shiraki
Toshiyuki and Piero Carninci (RIKEN)
cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Sequencing Group at the Stanford Human Genome
Center, Stanford University School of Medicine, Stanford, CA 94305
Web site: <http://www-shgc.stanford.edu>
Contact: (Dickson, Mark) mcd@paxil.stanford.edu
Dickson, M., Schmutz, J., Grimwood, J., Rodriguez, A., and Myers,
R. M.
Clone distribution: MGC clone distribution information can be found
through the I.M.A.G.E. Consortium/LLNL at: <http://image.llnl.gov>
Series: IRAK Plate: 32 Row: 1 Column: 19.

REFERENCE: 1 (bases 1 to 2673)
AUTHOR (AU): Strausberg, R.
TITLE (TI): Direct Submission
JOURNAL (SO): Submitted (01-FEB-2002) National Institutes of Health,

FEATURES (FEAT):

Feature Key	Location	Qualifier
source	1..2673	/organism="Homo sapiens" /db-xref="taxon:9606" /clone="IMAGE:4814898" /tissue-type="Brain, hippocampus" /clone-lib="NIH-MGC-95" /lab-host="DH10B"
CDS	<1..859	/note="Vector: pBluescript" /codon-start=2 /product="Similar to ephrin B3" /protein-id="AAH22499.1" /db-xref="GI:18490293" /translation="DRLDLLCPRARPPGPHSSPN YEFYKLYLVGGAQGRRCCEAPPAPN LLLTCDRPLDLRFTIKFQEYSPNLWGHEFRSHH DYYIIATSDGTREGLES LQGGVCL TRGMKVLLRVGQSPRGGAVPRKPVSEMPMERDRG AAHSLEPGKENLPGDPTSNATSRG AEGPLPPPSMPAVAGAAGGLALLLLGVAGAGGAM CWRRRRAKPSESRHPGPGSFGRRG SLGLGGGGMGPREAEPGELGIALRGGAADPPF CPHYEKVSGDYGHPVYIVQDGPPQ SPPNIYYKV"

SEQUENCE (SEQ):

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121  ccctgcccc aacctccttc tcacttgtag tgcgccagac ctggatctcc gcttcaccat
181  caagttccag gagtatagcc ctaatctctg gggccacgag ttccgctcgc accacgatta
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601  ggccaagcct tcggagagtc gccaccctgg tcctggctcc ttccggaggg gaggggtctc
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781  tgggtgactat gggcatcctg tgtatatcgt gcaggatggg ccccccaga gccctccaaa
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901  ggggtgctcct ccagtttaat tcctggtttg agggacacct ctaacatctc ggccccctgt
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1321  tcctttcacc ctcttggtt cttatcctgt gcctctccca tctcctgggt gggggcatca
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1801  agtagcactt ctgaaacagg aagtgtctgt gctggaactc caagtggctt agtctggggg
1861  atcaggaggt gggaggtgga tggttcttat tctgtggaga agaaggcgcg gaagaacttc
1921  ctttcaggag gaagctggaa cttactgact gtaagaggtt agaggtggac cgagaaggac
1981  ttttccaggt cttcagtggc acttcccagg atctcccttc ccttgtgctc tgtgctgatt
2041  ttaggacagc taagatgact gccatgtgct gtggcaggcc taatttgtct tgttctttcc
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2161  ctcccagata acccagatgg ctgtcttggt cattccatcc tacatttctg actcctttca
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2281  cagtgttact tagcaaaggc cactgtttcc atagtgaaca gctgatacct cttcctgcc
2341  tctagtgtgc aattgggtgt tgctcagtt tcctcccagc tcagttttat tagatcaaag
2401  ctgttggttg gcaccaggtt ggccacctca atcaccagcc aagatgggtg ctttgtccac
2461  cagaggtcaa gttcacctct ctggtgctgt agttcccagc tccttctctg ttttctaat
2521  cgctccttct ggggaacagg aagtgtgat tgccatggtg gcgggatatg ccgtcacctc
2581  agtagtttta ctgtaaaagg gaaatttgaa caaaaaaac caaaaaaat aaaaaataaa
2641  aacttcaaaa gttgacgaaa aaaaaaaaaa aaa

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LOCUS (LOC): BI313373 GenBank (R)
 GenBank ACC. NO. (GBN): BI313373
 GenBank VERSION (VER): BI313373.1 GI:14987700
 CAS REGISTRY NO. (RN): 349277-22-1
 SEQUENCE LENGTH (SQL): 456
 MOLECULE TYPE (CI): mRNA; linear
 DIVISION CODE (CI): Expressed sequence tag
 DATE (DATE): 20 Jul 2001
 DEFINITION (DEF): dah92f01.y1 NICHD XGC Emb4 Xenopus laevis cDNA clone
 IMAGE:4957560 5' similar to TR:Q9PT69 Q9PT69
 EPHRIN - ***B3*** PRECURSOR. ;, mRNA
 sequence.
 SOURCE: African clawed frog.
 ORGANISM (ORGN): Xenopus laevis
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata;
 Euteleostomi; Amphibia; Batrachia; Anura;
 Mesobatrachia; Pipioidea; Pipidae; Xenopodinae; Xenopus
 NUCLEIC ACID COUNT (NA): 118 a 152 c 92 g 94 t
 COMMENT:
 Other ESTs: dah92f01.x1
 Contact: Robert Strausberg, Ph.D.
 Email: cgapbs-r@mail.nih.gov
 Tissue Procurement: Martha Rebbert, Steven L. Klein, Ph.D.
 cDNA Library Preparation: Life Technologies, Inc.
 cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
 DNA Sequencing by: Washington University Genome Sequencing Center
 Clone distribution: Xenopus clones from this library are available
 through the I.M.A.G.E. Consortium/LLNL at: info@image.llnl.gov
 Seq primer: -40RP from Gibco
 High quality sequence stop: 434.
 REFERENCE: 1 (bases 1 to 456)
 AUTHOR (AU): NCI-CGAP <http://www.ncbi.nlm.nih.gov/ncicgap>.
 TITLE (TI): National Cancer Institute, Cancer Genome Anatomy
 Project (CGAP), Tumor Gene Index
 JOURNAL (SO): Unpublished (1997)

FEATURES (FEAT):

Feature Key	Location	Qualifier
source	1..456	/organism="Xenopus laevis" /db-xref="taxon:8355" /clone="IMAGE:4957560" /clone-lib="NICHD XGC Emb4" /dev-stage="embryo, stage 31-32" /lab-host="DH10B (phage-resistant)" /note="Organ: whole embryo; Vector: pCMV-SPORT6; Site-1: NotI; Site-2: SalI; Cloned unidirectionally. Primer: Oligo dT. Average insert size 2.1 kb. Constructed by Life Technologies. Note: This is a Xenopus Gene Collection (XGC) library."

SEQUENCE (SEQ):

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61 gtaacatgca gccccctcc cccacttctc agcagcccc caatggtctc cagaagaccc
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LOCUS (LOC): AF375227 GenBank (R)
 GenBank ACC. NO. (GBN): AF375227
 GenBank VERSION (VER): AF375227.1 GI:14495333
 CAS REGISTRY NO. (RN): 342875-57-4
 SEQUENCE LENGTH (SQL): 996
 MOLECULE TYPE (CI): mRNA; linear

DATE (DATE): 20 Jun 2001
 DEFINITION (DEF): Danio rerio ***ephrin*** ***B3*** mRNA,
 complete cds.
 SOURCE: zebrafish.
 ORGANISM (ORGN): Danio rerio
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata;
 Euteleostomi; Actinopterygii; Neopterygii; Teleostei;
 Ostariophysi; Cypriniformes; Cyprinidae; Danio

NUCLEIC ACID COUNT (NA): 231 a 293 c 256 g 216 t
 REFERENCE: 1 (bases 1 to 996)
 AUTHOR (AU): Chan, J.; Mably, J.D.; Serluca, F.C.; Chen, J.N.;
 Goldstein, N.B.; Thomas, M.C.; Cleary, J.A.; Brennan, C.;
 Fishman, M.C.; Roberts, T.M.
 TITLE (TI): Morphogenesis of prechordal plate and notochord
 requires intact Eph/ephrin B signaling
 JOURNAL (SO): Dev. Biol., 234 (2), 470-482 (2001)
 OTHER SOURCE (OS): CA 135:164797
 REFERENCE: 2 (bases 1 to 996)
 AUTHOR (AU): Chan, J.; Mably, J.D.; Serluca, F.C.; Chen, J.-N.;
 Goldstein, N.B.; Thomas, M.C.; Cleary, J.A.; Brennan, C.;
 Fishman, M.C.; Roberts, T.M.
 TITLE (TI): Direct Submission
 JOURNAL (SO): Submitted (01-MAY-2001) Department of Cancer Biology,
 Dana-Farber Cancer Institute, 1 Jimmy Fund Way, Boston,
 MA 02115, USA

FEATURES (FEAT):

Feature Key	Location	Qualifier
source	1..996	/organism="Danio rerio"
CDS	1..996	/db-xref="taxon:7955" /codon-start=1 /product="ephrin B3" /protein-id="AAK64277.1" /db-xref="GI:14495334" /translation="MASRGCVNGLGILLIFLVDL LGITATNMEPIYWNLSNKRFSDDK GYVLYPQIGDRLDLICPSSDPPGPRAPADYEYYK LYLVSSREQADRCEVTGAPNLLLT CDKPNSDMRFTIKFQEYSPNLWGHEFKTNHDYFI IATSDGTRQGLESMRGGVCATQGM KVVLKVGQSPYGLPAKSPKPSAGRINNPNGTG NSTHPQIPPRGSGGENGLPASNI AVIAGAAGGSAFLLLVTAVICVVCYRRRHAKHSE SHHPPLSLSSLTSPKRGCGGGVGG GNNNGSEPSDIIIPLRTSDSAYCPHYEKVSGDYG HPVYIVQEMPPQSPANIYYKV"

SEQUENCE (SEQ):

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L7 ANSWER 153 OF 159 GENBANK.RTM. COPYRIGHT 2004 on STN

LOCUS (LOC): AK027329 GenBank (R)
 GenBank ACC. NO. (GBN): AK027329
 GenBank VERSION (VER): AK027329.1 GI:14041934
 CAS REGISTRY NO. (RN): 390634-29-4
 SEQUENCE LENGTH (SQL): 2153
 MOLECULE TYPE (CI): mRNA; linear

DATE (DATE): 30 Jan 2004
 DEFINITION (DEF): Homo sapiens cDNA FLJ14423 fis, clone HEMBA1005699, moderately similar to ***EPHRIN*** - ***B3***
 PRECURSOR.
 KEYWORDS (ST): oligo capping; fis (full insert sequence)
 SOURCE: Homo sapiens (human)
 ORGANISM (ORGN): Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata;
 Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini;
 Hominidae; Homo

COMMENT:
 NEDO human cDNA sequencing project supported by Ministry of Economy, Trade and Industry of Japan; cDNA full insert sequencing: Research Association for Biotechnology; cDNA library construction, 5'- & 3'-end one pass sequencing and clone selection: Helix Research Institute (supported by Japan Key Technology Center etc.) and Department of Virology, Institute of Medical Science, University of Tokyo.

REFERENCE: 1
 AUTHOR (AU): Ota, T.; Suzuki, Y.; Nishikawa, T.; Otsuki, T.; Sugiyama, T.; Irie, R.; Wakamatsu, A.; Hayashi, K.; Sato, H.; Nagai, K.; Kimura, K.; Makita, H.; Sekine, M.; Obayashi, M.; Nishi, T.; Shibahara, T.; Tanaka, T.; Ishii, S.; Yamamoto, J.; Saito, K.; Kawai, Y.; Isono, Y.; Nakamura, Y.; Nagahari, K.; Murakami, K.; Yasuda, T.; Iwayanagi, T.; Wagatsuma, M.; Shiratori, A.; Sudo, H.; Hosoiri, T.; Kaku, Y.; Kodaira, H.; Kondo, H.; Sugawara, M.; Takahashi, M.; Kanda, K.; Yokoi, T.; Furuya, T.; Kikkawa, E.; Omura, Y.; Abe, K.; Kamihara, K.; Katsuta, N.; Sato, K.; Tanikawa, M.; Yamazaki, M.; Ninomiya, K.; Ishibashi, T.; Yamashita, H.; Murakawa, K.; Fujimori, K.; Tanai, H.; Kimata, M.; Watanabe, M.; Hiraoka, S.; Chiba, Y.; Ishida, S.; Ono, Y.; Takiguchi, S.; Watanabe, S.; Yosida, M.; Hotuta, T.; Kusano, J.; Kanehori, K.; Takahashi-Fujii, A.; Hara, H.; Tanase, T.; Nomura, Y.; Togiya, S.; Komai, F.; Hara, R.; Takeuchi, K.; Arita, M.; Imose, N.; Musashino, K.; Yuuki, H.; Oshima, A.; Sasaki, N.; Aotsuka, S.; Yoshikawa, Y.; Matsunawa, H.; Ichihara, T.; Shiohata, N.; Sano, S.; Moriya, S.; Momiyama, H.; Satoh, N.; Takami, S.; Terashima, Y.; Suzuki, O.; Nakagawa, S.; Senoh, A.; Mizoguchi, H.; Goto, Y.; Shimizu, F.; Wakebe, H.; Hishigaki, H.; Watanabe, T.; Sugiyama, A.; Takemoto, M.; Kawakami, B.; Yamazaki, M.; Watanabe, K.; Kumagai, A.; Itakura, S.; Fukuzumi, Y.; Fujimori, Y.; Komiyama, M.; Tashiro, H.; Tanigami, A.; Fujiwara, T.; Ono, T.; Yamada, K.; Fujii, Y.; Ozaki, K.; Hirao, M.; Ohmori, Y.; Kawabata, A.; Hikiji, T.; Kobatake, N.; Inagaki, H.; Ikema, Y.; Okamoto, S.; Okitani, R.; Kawakami, T.; Noguchi, S.; Itoh, T.; Shigeta, K.; Senba, T.; Matsumura, K.; Nakajima, Y.; Mizuno, T.; Morinaga, M.; Sasaki, M.; Togashi, T.; Oyama, M.; Hata, H.; Watanabe, M.; Komatsu, T.; Mizushima-Sugano, J.; Satoh, T.; Shirai, Y.; Takahashi, Y.; Nakagawa, K.; Okumura, K.; Nagase, T.; Nomura, N.; Kikuchi, H.; Masuho, Y.; Yamashita, R.; Nakai, K.; Yada, T.; Nakamura, Y.; Ohara, O.; Isogai, T.; Sugano, S.

TITLE (TI): Complete sequencing and characterization of 21,243 full-length human cDNAs
 JOURNAL (SO): Nat. Genet., 36 (1), 40-45 (2004)
 OTHER SOURCE (OS): CA 140:158332

REFERENCE: 2
 AUTHOR (AU): Isogai, T.; Ota, T.; Hayashi, K.; Sugiyama, T.; Otsuki, T.; Suzuki, Y.; Nishikawa, T.; Nagai, K.; Sugano, S.; Shiratori, A.; Sudo, H.; Wagatsuma, M.; Hosoiri, T.; Kaku, Y.; Kodaira, H.; Kondo, H.; Sugawara, M.; Takahashi, M.; Chiba, Y.; Ishida, S.; Murakawa, K.; Ono, Y.; Takiguchi, S.; Watanabe, S.; Kimura, K.; Murakami, K.; Ishii, S.; Kawai, Y.; Saito, K.; Yamamoto, J.; Wakamatsu, A.; Nakamura, Y.; Nagahari, K.; Masuho, Y.; Ninomiya, K.; Iwayanagi, T.

TITLE (TI): NEDO human cDNA sequencing project
 JOURNAL (SO): Unpublished

REFERENCE: 3 (bases 1 to 2153)
 AUTHOR (AU): Isogai, T.; Otsuki, T.
 TITLE (TI): Direct Submission

FEATURES (FEAT):

Feature Key	Location	Qualifier
source	1..2153	/organism="Homo sapiens" /mol-type="mRNA" /db-xref="taxon:9606" /clone="HEMBA1005699" /tissue-type="whole embryo, mainly head" /clone-lib="HEMBA1" /dev-stage="embryo, 10 weeks" /note="cloning vector: pME18SFL3"

SEQUENCE (SEQ):

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1441 aagcagtgcg ccaggaactg gaagtgcctt catccaggac aggaagtagc acttctgaaa
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1561 tggatggttc ttattctgtg gagaagaagg gcgggaagaa cttcctttca ggaggagct
1621 ggaacttact gactgtaaga ggttagaggt ggaccgagaa ggacttttcc cagtcttcag
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1861 atggctgtct tgttcattcc atcctacatt tccagactct ttcagactct acacagtttt
1921 attagatcaa agctgttgtt gggcaccagg ttggccacct caatcaccag ccaagatggt
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2041 gatttttcta atcgctcctt ctggggaaca ggaagttgat attgccatgg tggcggggta
2101 tgccgtcacc tcagtagttt tactgtaaaa gggaaatttg aacaacaaaa acc

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L7 ANSWER 154 OF 159 GENBANK.RTM. COPYRIGHT 2004 on STN

LOCUS (LOC): BG348825 GenBank (R)
GenBank ACC. NO. (GBN): BG348825
GenBank VERSION (VER): BG348825.1 GI:13169251
CAS REGISTRY NO. (RN): 325600-11-1
SEQUENCE LENGTH (SQL): 556
MOLECULE TYPE (CI): mRNA; linear
DIVISION CODE (CI): Expressed sequence tag
DATE (DATE): 28 Feb 2001
DEFINITION (DEF): dad19b07.xl Wellcome CRC pCS107 tropicalis St10-12
Silurana tropicalis cDNA clone IMAGE:4439773 3' similar
to TR:Q9PT69 Q9PT69 ***EPHRIN*** - ***B3***
PRECURSOR. ; mRNA sequence.
SOURCE: western clawed frog.
ORGANISM (ORGN): Silurana tropicalis
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata;
Euteleostomi; Amphibia; Batrachia; Anura;
Mesobatrachia; Pipoidae; Pipidae; Xenopodinae; Silurana
NUCLEIC ACID COUNT (NA): 137 a 129 c 124 g 166 t

Other ESTs: dad19b07.y1
 Contact: Sandy Clifton, Ph.D.
 WashU Xenopus EST project, 1999
 Washington University School of Medicine
 4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108, USA
 Tel: 314 286 1800
 Fax: 314 286 1810
 Email: est@watson.wustl.edu

Library constructed by A. Zorn and J. Mason (Wellcome/CRC Institute).
 DNA Sequencing by: Washington University Genome Sequencing Center

Clone distribution: Xenopus clones from this library are available through the I.M.A.G.E. Consortium/LLNL at: info@image.llnl.gov

Seq primer: -40UP from Gibco

High quality sequence stop: 471.

REFERENCE: 1 (bases 1 to 556)
 AUTHOR (AU): Clifton, S.; Johnson, S.L.; Blumberg, B.; Song, J.; Hillier, L.; Pape, D.; Martin, J.; Wylie, T.; Underwood, K.; Theising, B.; Bowers, Y.; Person, B.M.; Gibbons, M.; Harvey, N.; Ritter, E.; Jackson, Y.; McCann, R.; Waterston, R.; Wilson, R.
 TITLE (TI): WashU Xenopus EST project, 1999
 JOURNAL (SO): Unpublished (1999)

FEATURES (FEAT):

Feature Key	Location	Qualifier
source	1..556	/organism="Silurana tropicalis" /db-xref="taxon:8364" /clone="IMAGE:4439773" /clone-lib="Wellcome CRC pCS107 tropicalis St10-12" /tissue-type="whole embryo, stages 10-12" /lab-host="DH10B (phage-resistant)" /note="Vector: pCS107; Site-1: NotI; Site-2: EcoRI; cDNAs were oligo-dT primed and directionally cloned. Average insert size 1.5 kb, range 0.5-4 kb. Library constructed by A. Zorn and J. Mason (Wellcome/CRC Institute)."

SEQUENCE (SEQ):

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1 ttttttttct tgcataacat tggtatccca tgggttccttc taaccttgtg cgcccagaac
61 attccttctc tgtatatattg tctctataca tgtgggtagg tgctgccata ctgtttccaa
121 taggccctgt attataaatc ttaacttatt gttcatattg tacagcgctg cggaacatgt
181 tggcgcttaa taaataaatg ttaataataa taacctgact gctatcagtc ctttcagggt
241 atattccagc agatcagccc ctactatcc ccgtcccacc tcaccccat accattgtcc
301 ctagtgatgg aatctcatta ttccagcaat gggacgtacc tccgaaattt ggaatgtcag
361 ggtttggcac agatggtgaa atcccagaat cctttcctgc agatgagggt ctgcgaggag
421 gaggcgcccc attaggatct gtgtggagac aggaatggaa taggtgactg tggagatgca
481 gaaaggggat ctcaccatca gcataggaag gggttcctta ctgtaagggc agtcagggta
541 tgggggtccc taccca
  
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L7 ANSWER 155 OF 159 GENBANK.RTM. COPYRIGHT 2004 on STN

LOCUS (LOC): BB125170 GenBank (R)
 GenBank ACC. NO. (GBN): BB125170
 GenBank VERSION (VER): BB125170.1 GI:8779494
 CAS REGISTRY NO. (RN): 275955-70-9
 SEQUENCE LENGTH (SQL): 301
 MOLECULE TYPE (CI): mRNA; linear
 DIVISION CODE (CI): Expressed sequence tag
 DATE (DATE): 28 Jun 2000
 DEFINITION (DEF): BB125170 RIKEN full-length enriched, 16 days neonate cerebellum Mus musculus cDNA clone 9630003J17 3' similar to NM_001406 Homo sapiens ***ephrin*** - ***B3*** (EFNB3) mRNA, mRNA sequence.
 SOURCE: house mouse.
 ORGANISM (ORGN): Mus musculus
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus

COMMENT:

Contact: Yoshihide Hayashizaki
 Laboratory for Genome Exploration Research Group, RIKEN Genomic
 Sciences Center(GSC), Yokohama Institute
 The Institute of Physical and Chemical Research (RIKEN)
 1-7-22 Suehiro-cho, Tsurumi-ku, Yokohama, Kanagawa 230-0045, Japan
 Tel: 81-45-503-9222
 Fax: 81-45-503-9216
 Email: genome-res@gsc.riken.go.jp,
 URL:http://genome.gsc.riken.go.jp/
 Carninci,P., Nishiyama,Y., Westover,A., Itoh,M., Nagaoka,S., Sasaki
 ,N., Okazaki,Y., Muramatsu,M. and Hayashizaki,Y.
 Thermostabilization and thermoactivation of thermolabile enzymes by
 trehalose and its application for the synthesis of full length
 cDNA. Proc. Natl. Acad. Sci. U.S.A. 95 (2), 520-524 (1998)
 Itoh,M., Kitsunai,T., Akiyama,J., Shibata,K., Izawa,M., Kawai,J.,
 Tomaru,Y., Carninci,P., Shibata,Y., Ozawa,Y., Muramatsu,M., Okazaki
 ,Y. and Hayashizaki,Y.
 Automated filtration-based high-throughput plasmid preparation
 system. Genome Res. 9 (5), 463-470 (1999)
 Carninci,P. and Hayashizaki,Y.
 High-efficiency full-length cDNA cloning. Methods Enzymol. 303,
 19-44 (1999)
 Please visit our web site (<http://genome.rtc.riken.go.jp>) for
 further details.

REFERENCE:

AUTHOR (AU):

1 (bases 1 to 301)
 Konno,H.; Aizawa,K.; Akahira,S.; Akiyama,J.;
 Arakawa,T.; Carninci,P.; Endo,T.; Fukuda,S.;
 Fukunishi,Y.; Hara,A.; Hayatsu,N.; Hirozane,T.;
 Hori,F.; Ishii,Y.; Ishikawa,J.; Ishikawa,T.; Itoh,M.;
 Izawa,M.; Kadota,K.; Kagawa,I.; Kai,C.; Kawai,J.;
 Kikuchi,N.; Kiyosawa,H.; Kojima,Y.; Kondo,S.; Koya,S.;
 Kurihara,C.; Kusakabe,M.; Matsuyama,T.; Miki,R.;
 Mizuno,Y.; Nakamura,M.; Oda,H.; Okazaki,Y.; Ono,T.y;
 Owa,C.; Saito,H.; Sakai,C.; Sato,K.; Shibata,K.;
 Shibata,Y.; Shigemoto,Y.; Shinagawa,A.; Shiraki,T.;
 Sogabe,Y.; Sugahara,Y.; Suzuki,H.; Suzuki,H.;
 Tagawa,A.; Takahashi,F.; Tominaga,N.; Toya,T.a;
 Tsunoda,Y.; Watahiki,A.; Watanabe,S.; Yamamura,T.;
 Yamanaka,I.; Yano,R.H.; Yasunishi,A.; Yokota,T.;
 Yoshida,K.; Yoshiki,A.; Yoshino,M.; Muramatsu,M.;
 Hayashizaki,Y.
 RIKEN Mouse ESTs (Konno,H., et al.)
 Unpublished (2000)

TITLE (TI):

JOURNAL (SO):

FEATURES (FEAT):

Feature Key	Location	Qualifier
source	1..301	/organism="Mus musculus" /db-xref="taxon:10090" /clone="9630003J17" /clone-lib="RIKEN full-length enriched, 16 days neonate cerebellum" /tissue-type="cerebellum" /dev-stage="16 days neonate" /lab-host="DH10B" /note="Site-1: SalI; Site-2: BamHI; cDNA library was prepared and sequenced in Mouse Genome Encyclopedia Project of Genome Exploration Research Group in Riken Genomic Sciences Center and Genome Science Laboratory in RIKEN. Division of Experimental Animal Research in Riken contributed to prepare mouse tissues. 1st strand cDNA was primed with a primer [5' GAGAGAGAGAAGGATCCAAGAGCTCTTTTTTTT TTTTTTTVN 3'], cDNA was prepared by using trehalose thermo-activated reverse transcriptase and subsequently enriched for full-length by

round of normalization to Rot = 20.0 and subtraction to Rot = 370.0. Second strand cDNA was prepared with the primer adapter of sequence [5' GAGAGAGAGATTCTCGAGTTAATTAAATTAATCC CCCCCCCCCC 3']. cDNA was cleaved with XhoI and BamHI. Vector: a modified pBluescript KS(+) after bulk excision from Lambda FLC I."

SEQUENCE (SEQ):

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1  tccaatatga aaaccatcac ttcttcccct ttatactctg catgacctga tccctcgatc
61  ttctccctcc tcagtttaaa aatatttaaag ctgcccttgc ccatcatttt ggctacctca
121 atcaccagcc aaaatgggttc ctttgtccac cagaattcaa tctatttttc cggcactcta
181 gttcccagct ccttttaggg aacaggaagt tgatattgcc ataggggagg agtcggggta
241 tggccgttac ttcgatagtt tcattgttaa agggaaattt gaaaaacaac aaaaaaattg
301 g

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L7 ANSWER 156 OF 159 GENBANK.RTM. COPYRIGHT 2004 on STN

LOCUS (LOC): XLA236866 GenBank (R)
 GenBank ACC. NO. (GBN): AJ236866
 GenBank VERSION (VER): AJ236866.1 GI:6689567
 CAS REGISTRY NO. (RN): 252840-76-9
 SEQUENCE LENGTH (SQL): 1145
 MOLECULE TYPE (CI): mRNA; linear
 DIVISION CODE (CI): Other vertebrates
 DATE (DATE): 17 Apr 2000
 DEFINITION (DEF): Xenopus laevis mRNA for ***ephrin*** - ***B3***
 SOURCE: African clawed frog.
 ORGANISM (ORGN): Xenopus laevis
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata;
 Euteleostomi; Amphibia; Batrachia; Anura;
 Mesobatrachia; Pipoidae; Pipidae; Xenopodinae; Xenopus

NUCLEIC ACID COUNT (NA): 258 a 302 c 299 g 286 t
 REFERENCE: 1 (bases 1 to 1145)
 AUTHOR (AU): Helbling, P.M.; Saulnier, D.M.; Robinson, V.;
 Christiansen, J.H.; Wilkinson, D.G.; Brandli, A.W.
 TITLE (TI): Comparative analysis of embryonic gene expression
 defines potential interaction sites for Xenopus EphB4
 receptors with ephrin-B ligands
 JOURNAL (SO): Dev. Dyn., 216 (4-5), 361-373 (1999)
 OTHER SOURCE (OS): CA 132:178235
 REFERENCE: 2 (bases 1 to 1145)
 AUTHOR (AU): Brandli, A.W.
 TITLE (TI): Direct Submission
 JOURNAL (SO): Submitted (25-FEB-1999) Brandli A.W., Institute of Cell
 Biology, Swiss Federal Institute of Technology, ETH
 Honggerberg, Zurich, CH-8093, SWITZERLAND

FEATURES (FEAT):

Feature Key	Location	Qualifier
source	1..1145	/organism="Xenopus laevis" /db-xref="taxon:8355" /clone="PAU.10" /tissue-type="embryonic head" /dev-stage="embryonic stage 28-30"
sig-peptide	16..90	
CDS	16..999	/function="Eph receptor family ligand" /codon-start=1 /product="ephrin-B3" /protein-id="CAB65511.1" /db-xref="GI:6689568" /translation="MFSRECALYIRMLFTLWDFC SISALSLDPIYWNSSNKRFEDETEG YVLYPQIGDRLDLLCPRSEPOGPFSSPYEYYKL YLVGTKEEMSSCSILRTPNLLLTC DRPSQDLRFTIKFOEFSPNLWGHEFQSQRDYII ATSDGTM DGIETLQGGVCETKGMK VTLKVGQSPNGATPPRRPSSAGKDSGISPSVNP DIPNVGETSGNATKTGENGPLPIS HVPLVAGAAGGAALLLVFGVGVGWVCHRRRQAKH

SEQUENCE (SEQ):

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1  tgccttttaa  tcagcatgtt  ttcccgggaa  tgtgctttgt  acataaggat  gttattcacc
61  ttgtgggatt  tctgctccat  ctcagcgctg  agcctggacc  ccatttactg  gaacagctca
121 aacaaaaggt  ttgaggacac  tgaggggtac  gtgctctatc  cccagattgg  agaccggctg
181 gacctgttgt  gcccccgttc  tgagccccag  ggcccccttc  cctcgtcccc  atatgaatac
241 tacaagttgt  acctggtggg  caccaaggaa  gagatgtcct  cctgctccat  cctgagaact
301 cccaacctcc  tcctgacctg  tgaccgaccc  tcgcaggact  tgcgcttcac  catcaagttt
361 caggaattca  gcccgaatct  gtggggacac  gaggttccagt  ctcagcgagg  ttattacatt
421 attgccacct  cggatgggac  gatggatggg  atagagaccc  ttcagggagg  agtgtgtgag
481 accaaaggca  tgaaggtcac  cttaaagggt  gggcagagtc  ctaatggggc  gactcctcct
541 cgcagaccct  catctgcagg  aaaggattct  gggatttcac  catccgtgcc  aaacctgac
601 attccaaatg  ttggagaaac  atctggcaat  gcaaccaaga  ccgggggaaa  tggctcctctg
661 cccatctccc  atgttcctct  agtagctggg  gctgcgggtg  gggctgcact  tctgctgctg
721 gtctttggag  tagtgggatg  ggtctgtcat  aggcgacgtc  aggccaaaca  cagcgacacc
781 ggccatgagc  ccagtgcac  catcatgccc  cttcgaccgt  ccgaagcggg  tgccttttgc
841 cctcactatg  agaaagtcag  tggggactat  ggacaccctg  tttatatcgt  tcaggacatg
901 gccagccaga  gccctgccaa  catctactac  aaagtataaa  acaactgcc  gcattttttg
961 1021 tccttgtagc  tttttgtttt  tgggcggggc  taactgtagg  atgtttgttg  ggtgggttgc
1081 aggatgtctt  ggaatgaagg  tgggaatgtg  ttcattgcaa  tgttggtatt  tggagggtaa
1141 gtctt

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L7 ANSWER 157 OF 159 GENBANK.RTM. COPYRIGHT 2004 on STN

LOCUS (LOC): AF025288 GenBank (R)
 GenBank ACC. NO. (GBN): AF025288
 GenBank VERSION (VER): AF025288.1 GI:2558959
 CAS REGISTRY NO. (RN): 199149-58-1
 SEQUENCE LENGTH (SQL): 1079
 MOLECULE TYPE (CI): mRNA; linear
 DIVISION CODE (CI): Rodents
 DATE (DATE): 5 Feb 1998
 DEFINITION (DEF): Mus musculus m- ***ephrin*** - ***B3*** mRNA,
 complete cds.
 SOURCE:
 ORGANISM (ORGN): Mus musculus
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata;
 Euteleostomi; Mammalia; Eutheria; Rodentia;
 Sciurognathi; Muridae; Murinae; Mus
 NUCLEIC ACID COUNT (NA): 194 a 316 c 361 g 208 t
 REFERENCE:
 1 (bases 1 to 1079)
 AUTHOR (AU): Brambilla,R.; Bruckner,K.; Orioli,D.; Bergemann,A.D.;
 Klein,R.
 TITLE (TI): Similarities and differences in the way
 transmembrane-type ligands interact with the Elk
 subclass of Eph receptors
 JOURNAL (SO): Mol. Cell. Neurosci., 8 (2-3), 199-209 (1996)
 OTHER SOURCE (OS): CA 126:5125
 REFERENCE:
 2 (bases 1 to 1079)
 AUTHOR (AU): Bergemann,A.D.; Zhang,L.; Chiang,M.K.; Brambilla,R.;
 Klein,R.; Flanagan,J.G.
 TITLE (TI): ***Ephrin*** - ***B3***, a ligand for the
 receptor EphB3, expressed at the midline of the
 developing neural tube
 JOURNAL (SO): Oncogene, 16 (4), 471-480 (1998)
 OTHER SOURCE (OS): CA 128:240109
 REFERENCE:
 3 (bases 1 to 1079)
 AUTHOR (AU): Bergemann,A.D.; Zhang,L.; Chiang,M.-K.; Brambilla,R.;
 Klein,R.; Flanagan,J.G.
 TITLE (TI): Direct Submission
 JOURNAL (SO): Submitted (15-SEP-1997) Pathology, Mount Sinai, One
 Gustave L. Levy, New York, NY 10029-6574, USA

FEATURES (FEAT):

Feature Key	Location	Qualifier
source	1..1079	/organism="Mus musculus" /db-xref="taxon:10090" /tissue-type="brain" /dev-stage="newborn"
CDS	43..1065	/note="ligand of EphB class receptor tyrosine kinases;

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/codon-start=1
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/protein-id="AAC53537.1"
/db-xref="GI:2558960"
/translation="MGAPHFGPGGVQVGALLLLG
FAGLVSGLSLEPVYWNNSANKRFQA
EGGYVLYPQIGDRLDLLCPRARPPGPHSSPSYEF
YKLYLVEGAQGRRCCEAPPAPNLLL
TCDRPDLDLRFTIKFQEYSPNLWGHEFRSHHDYY
IIATSDGTREGLESQGGVCLTRG
MKVLLRVGQSPRGGA VPRKPVSEMPMERDRGAAH
SAEPGRDTIPGDPSSNATSRGAEG
PLPPPSMPAVAGAAGGMALLLLGVAGAGGAMCWR
RRRAKPSERHPGPGSFGRGGS LG
LGGGGGMGPRAEAPGELGIALRGGGTADPPFCPH
YEKVSGDYGHPVYIVQDGPQSP NIYYKV"

```

SEQUENCE (SEQ):

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1 tttgggggag ttggtgcccc gccccaggc cttggtaggg tcatgggggc cccccatttt
61 gggccagggg gtgtgcaagt cggggccctg ctgctgttag gttttgcggg gctggtatct
121 ggactcagcc tggagcctgt ctactggaac tcggcgcaata agagggtcca ggcagagggc
181 ggttacgtgc tttatcctca gatcggggac cggctagatc tactttgtcc ccgggctcgg
241 cctcctggcc cccactcctc tcctagtatt gagttctaca aactgtacct ggtagagggg
301 gcccaggggc ggcggtgtga ggcacccctt gccccaaacc ttcttctcac atgtgaccgg
361 ccagacctgg acctccgctt caccatcaag ttccaggaat acagccctaa cctctggggc
421 cacgagttcc gatccacca cgattactac ataattgcca catcagacgg gaccgggaa
481 ggccttgaga gcttgcaagg aggcgtgtgc ctaaccagag gcatgaagg gcttctgcga
541 gtgggacaaa gtccccgagg aggagctgta ccccgaaaac ctgtgtctga aatgcccattg
601 gagagagaca gaggggcagc tcacagcgcg gaacctggga gggacaccat accaggtgac
661 cccagcagca atgcaacctc ccgggggtgt gaaggccccc tgccccctcc cagcatgccc
721 gcagtggctg gggcagcagg ggggatggcg ctgctcttgc tgggcgtggc aggggctggg
781 ggtgccatgt gttggcggag acggcgggcc aagccttcgg agagtcgcca ccctggtcct
841 ggctcctttg ggaggggagg gtctctgggc ctgggtgggt gaggagggat ggggcctcgg
901 gaagctgagc ctggggagct aggaatagcc ctgcgggggt gtgggactgc agaccccccc
961 ttctgccctc actacgagaa ggtgagcggg gactatgggc accctgtgta cattgtgcag
1021 gatggggcccc cccagagccc tccgaacatc tattacaagg tatgagggct cctccctcc

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L7 ANSWER 158 OF 159 TOXCENTER COPYRIGHT 2004 ACS on STN
AN 2003:152522 TOXCENTER
DN DART-TER-3000624
TI Effects of pre- and postnatal methylmercury exposure on expression of EPHS
and ephrins in the mouse.
AU Wilson D T; Reuhl K R; Zhou R
CS Toxicology, Rutgers University, Piscataway, NJ.
NC ES 05022
ES 07148
ES 11256
SO Toxicologist 2003 Mar;72(S-1):67. Toxicologist,
ISSN: 0731-9193.
DT Abstract; (MEETING ABSTRACT)
FS DART
LA English
ED Entered STN: 20030708
Last Updated on STN: 20030708

L7 ANSWER 159 OF 159 CONFSCI COPYRIGHT 2004 CSA on STN
AN 2004:15585 CONFSCI
DN 04-015585
TI ***Ephrin*** - ***B3*** controls proliferation in the adult
subventricular zone
AU Ricard, J.; Salinas, J.A.; Liebl, D.J.
SO University of Miami, School of Medicine; URL: www.med.miami.edu.
Meeting Info.: 000 7201: 2004 Miami Nature Biotechnology Winter Symposium
(0007201). Miami Beach, FL (USA). 31 Jan-4 Feb 2004. University of Miami.
DT Conference
FS DCCP
LA English
STN INTERNATIONAL LOGOFF AT 12:32:44 ON 21 OCT 2004